The Geological Society of America Bulletin
Subject Index to Volume 112, No. 1-12, 2000

abrasion 3: 490-503
absolute age *see also* Ar/Ar; C-14; K/Ar; Pb/Pb; Rb/Sr; Th/U; thermochronology; U/Pb; uranium disequilibrium
British Columbia, petrology 8: 1280-1295
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
Yukon Territory, petrology 8: 1280-1295
abyssal fans *see* submarine fans
Abyssinia *see* Ethiopia
Abyssinian Rift valley *see* Ethiopian Rift
Acadian Phase
Nova Scotia, geochemistry 7: 997-1011
Quebec 1: 4-20
metamorphism 1: 136-146
Acatita Formation
stratigraphy 5: 799-800
accommodation zones
Argentina, Miocene 11: 1736-1751
Egypt, tectonics 12: 1877-1899
Mexico, structural geology 6: 857-870
Oregon, neotectonics 8: 1225-1233
accretionary wedges
Oregon, Miocene 8: 1209-1224
active faults
Alaska, earthquakes 9: 1414-1429
Arkansas 11: 1724-1735
California
geologic hazards 5: 693-707
Quaternary 10: 1559-1581
China, Quaternary 3: 375-393
active margins
Wyoming, structural geology 4: 564-578
Adirondack Mountains
structural geology 10: 1522-1530
Africa *see also* East Africa; North Africa
plate tectonics
East African Rift 2: 163-176
aggradation
Arkansas, Quaternary 2: 221-235
Colorado Plateau, Quaternary 1: 147-158
Ireland, Quaternary 12: 1834-1849
Missouri, Quaternary 2: 221-235
Agnotozoic *see* Proterozoic
Al-26
Northwest Territories, Quaternary 8: 1296-1312
Alaska *see also* Cook Inlet
earthquakes, Kenai Peninsula 9: 1414-1429
geomorphology, Valley of Ten Thousand Smokes 3: 490-503
Quaternary
Novarupta 10: 1594-1620
structural geology 11: 1760
Tertiary 7: 1023-1042
Alaska Peninsula *see* Novarupta
Alberta *see also* Canadian Cordillera; Canadian Rocky Mountains; Western Interior Seaway
stratigraphy 10: 1496-1506
Albian
Alaska 7: 1023-1042
Alberta 8: 1179-1198
Mexico 5: 799-800
Ontario 9: 1342-1355
albitization
California, diagenesis 6: 845-856
algae
Appalachians, Silurian 7: 982-996
diatoms, Manitoba 6: 943-958
nannofossils, Italy 9: 1430-1443
aliphatic hydrocarbons *see* alkanes
alkali basalts *see also* basanite
New Mexico, geochemistry 10: 1582-1593
alkali gabbros *see* nephelinite
alkaline earth metals *see* calcium
alkanes *see* methane
Allamoore Formation
Proterozoic 7: 1134-1148
Allan Hills
stratigraphy 9: 1459-1472
allostratigraphy
Colorado Plateau, Quaternary 1: 147-158
alluvial deposits *see* alluvium
alluvial fans
California, structural geology 1: 86-97
China, Quaternary 3: 375-393
Ireland, Quaternary 12: 1834-1849
Spain, geomorphology 12: 1825-1833
alluvium
Oregon, fluvial features 12: 1814-1824
Washington, geomorphology 4: 591-599
Alpine Fault
geochronology 2: 250-266
Alpine Foreland *see* Prealps
Alps
deformation
Eastern Alps 1: 21-33
Eocene, Prealps 4: 515-530
paleomagnetism 9: 1430-1443
Altiplano
neotectonics 7: 1091-1105
aluminum
Al-26, Northwest Territories 8: 1296-1312
amphibole group *see* clinoamphibole
amphibolite facies
California, structural geology 7: 1059-1066
anastomosing streams *see* braided streams
ancient ice ages
Italy, stratigraphy 2: 308-319
Spain, stratigraphy 2: 308-319
Andalusia Spain
geomorphology 12: 1825-1833
Andean Orogeny
Argentina, Miocene 11: 1736-1751
Bolivia, structural geology 11: 1752-1759
Andes
Miocene
Argentine Andes 11: 1736-1751
Eastern Cordillera 11: 1736-1751
Neogene 6: 803-816
neotectonics, Eastern Cordillera 7: 1091-1105
structural geology, Eastern Cordillera 11: 1752-1759
andesites
Alaska, Quaternary 10: 1594-1620
Antarctic Peninsula 5: 657-667
Antarctica
Antarctic Peninsula 5: 657-667
Anvers Island 5: 657-667
stratigraphy, Allan Hills 9: 1459-1472
tectonophysics, Marie Byrd Land 4: 611-627
Anthozoa
Costa Rica, stratigraphy 7: 963-981
Florida, Quaternary 2: 267-277
anticlines
Alaska 4: 550-563
earthquakes 9: 1414-1429
California, geologic hazards 5: 693-707
Antilles *see* Greater Antilles
Antler Orogeny
Alberta, geochemistry 4: 531-539
Anvers Island 5: 657-667
Appalachians *see also* Avalon Zone; Dunnage Zone
petrology 6: 915-928
Silurian, Blue Ridge Province 7: 982-996
Aptian
Alaska 7: 1023-1042
Italy 9: 1430-1443
APTICORE
paleomagnetism 9: 1430-1443
aquifers
Israel, hydrogeology 11: 1694-1702
Ontario, Quaternary 1: 98-118
Ar/Ar
Argentina, Neogene 6: 803-816
California, structural geology 7: 1059-1066
Ethiopia, plate tectonics 2: 163-176
Idaho, areal geology 9: 1356-1374
Mexico
areal geology 4: 600-610
tectonophysics 4: 540-549
New York, structural geology 10: 1522-1530
New Zealand, geochronology 2: 250-266
Quebec, metamorphism 1: 136-146
Texas, Proterozoic 7: 1134-1148
Archaean *see* Archean
archaeology
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
Archean 5: 747-763
Wyoming 4: 564-578
archeology *see* archaeology
arcs, island *see* island arcs
Arctic Archipelago
Quaternary 8: 1296-1312
Ardara Pluton
structural geology 10: 1543-1558
areal geology *see* bibliography
arenite
Alaska, Tertiary 7: 1023-1042
Argentina
Jurassic, Neuquen Basin 11: 1650-1666
Miocene
Argentine Andes 11: 1736-1751
Salta Argentina 11: 1736-1751
Neogene, Mendoza Argentina 6: 803-816
Argentine Andes
Miocene 11: 1736-1751
argon-argon *see* Ar/Ar
Arizona
fluvial features 5: 727-735
Arizpe Quadrangle
areal geology 4: 600-610
Arkansas *see also* Mississippi Embayment; Mississippi River; Ouachita Mountains; Stanley Group
Quaternary, Mississippi County Arkansas 4: 579-590
Arkoma Basin
lead-zinc deposits 11: 1680-1693
arroyos
Colorado Plateau, Quaternary 1: 147-158
Arthropoda *see* Mandibulata; Trilobitomorpha
ash flows
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
Asia *see also* Far East; Himalayas; Indian Peninsula; Middle East
geochemistry
Ladakh 3: 450-466
Main Central Thrust 3: 467-477

The Geological Society of America Bulletin
Subject Index to Volume 112, No. 1-12, 2000

abrasion 3: 490-503
absolute age *see also* Ar/Ar; C-14; K/Ar; Pb/Pb; Rb/Sr; Th/U; thermochronology; U/Pb; uranium disequilibrium
British Columbia, petrology 8: 1280-1295
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
Yukon Territory, petrology 8: 1280-1295
abyssal fans *see* submarine fans
Abyssinia *see* Ethiopia
Abyssinian Rift valley *see* Ethiopian Rift
Acadian Phase
Nova Scotia, geochemistry 7: 997-1011
Quebec 1: 4-20
metamorphism 1: 136-146
Acatita Formation
stratigraphy 5: 799-800
accommodation zones
Argentina, Miocene 11: 1736-1751
Egypt, tectonics 12: 1877-1899
Mexico, structural geology 6: 857-870
Oregon, neotectonics 8: 1225-1233
accretionary wedges
Oregon, Miocene 8: 1209-1224
active faults
Alaska, earthquakes 9: 1414-1429
Arkansas 11: 1724-1735
California
geologic hazards 5: 693-707
Quaternary 10: 1559-1581
China, Quaternary 3: 375-393
active margins
Wyoming, structural geology 4: 564-578
Adirondack Mountains
structural geology 10: 1522-1530
Africa *see also* East Africa; North Africa
plate tectonics
East African Rift 2: 163-176
aggradation
Arkansas, Quaternary 2: 221-235
Colorado Plateau, Quaternary 1: 147-158
Ireland, Quaternary 12: 1834-1849
Missouri, Quaternary 2: 221-235
Agnotozoic *see* Proterozoic
Al-26
Northwest Territories, Quaternary 8: 1296-1312
Alaska *see also* Cook Inlet
earthquakes, Kenai Peninsula 9: 1414-1429
geomorphology, Valley of Ten Thousand Smokes 3: 490-503
Quaternary
Novarupta 10: 1594-1620
structural geology 11: 1760
Tertiary 7: 1023-1042
Alaska Peninsula *see* Novarupta
Alberta *see also* Canadian Cordillera; Canadian Rocky Mountains; Western Interior Seaway
stratigraphy 10: 1496-1506
Albian
Alaska 7: 1023-1042
Alberta 8: 1179-1198
Mexico 5: 799-800
Ontario 9: 1342-1355
albitization
California, diagenesis 6: 845-856
algae
Appalachians, Silurian 7: 982-996
diatoms, Manitoba 6: 943-958
nannofossils, Italy 9: 1430-1443
aliphatic hydrocarbons *see* alkanes
alkali basalts *see also* basanite
New Mexico, geochemistry 10: 1582-1593
alkali gabbros *see* nephelinite
alkaline earth metals *see* calcium
alkanes *see* methane
Allamoore Formation
Proterozoic 7: 1134-1148
Allan Hills
stratigraphy 9: 1459-1472
allostratigraphy
Colorado Plateau, Quaternary 1: 147-158
alluvial deposits *see* alluvium
alluvial fans
California, structural geology 1: 86-97
China, Quaternary 3: 375-393
Ireland, Quaternary 12: 1834-1849
Spain, geomorphology 12: 1825-1833
alluvium
Oregon, fluvial features 12: 1814-1824
Washington, geomorphology 4: 591-599
Alpine Fault
geochronology 2: 250-266
Alpine Foreland *see* Prealps
Alps
deformation
Eastern Alps 1: 21-33
Eocene, Prealps 4: 515-530
paleomagnetism 9: 1430-1443
Altiplano
neotectonics 7: 1091-1105
aluminum
Al-26, Northwest Territories 8: 1296-1312
amphibole group *see* clinoamphibole
amphibolite facies
California, structural geology 7: 1059-1066
anastomosing streams *see* braided streams
ancient ice ages
Italy, stratigraphy 2: 308-319
Spain, stratigraphy 2: 308-319
Andalusia Spain
geomorphology 12: 1825-1833
Andean Orogeny
Argentina, Miocene 11: 1736-1751
Bolivia, structural geology 11: 1752-1759
Andes
Miocene
Argentine Andes 11: 1736-1751
Eastern Cordillera 11: 1736-1751
Neogene 6: 803-816
neotectonics, Eastern Cordillera 7: 1091-1105
structural geology, Eastern Cordillera 11: 1752-1759
andesites
Alaska, Quaternary 10: 1594-1620
Antarctic Peninsula 5: 657-667
Antarctica
Antarctic Peninsula 5: 657-667
Anvers Island 5: 657-667
stratigraphy, Allan Hills 9: 1459-1472
tectonophysics, Marie Byrd Land 4: 611-627
Anthozoa
Costa Rica, stratigraphy 7: 963-981
Florida, Quaternary 2: 267-277
anticlines
Alaska 4: 550-563
earthquakes 9: 1414-1429
California, geologic hazards 5: 693-707
Antilles *see* Greater Antilles
Antler Orogeny
Alberta, geochemistry 4: 531-539
Anvers Island 5: 657-667
Appalachians *see also* Avalon Zone; Dunnage Zone
petrology 6: 915-928
Silurian, Blue Ridge Province 7: 982-996
Aptian
Alaska 7: 1023-1042
Italy 9: 1430-1443
APTICORE
paleomagnetism 9: 1430-1443
aquifers
Israel, hydrogeology 11: 1694-1702
Ontario, Quaternary 1: 98-118
Ar/Ar
Argentina, Neogene 6: 803-816
California, structural geology 7: 1059-1066
Ethiopia, plate tectonics 2: 163-176
Idaho, areal geology 9: 1356-1374
Mexico
areal geology 4: 600-610
tectonophysics 4: 540-549
New York, structural geology 10: 1522-1530
New Zealand, geochronology 2: 250-266
Quebec, metamorphism 1: 136-146
Texas, Proterozoic 7: 1134-1148
Archaean *see* Archean
archaeology
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
Archean 5: 747-763
Wyoming 4: 564-578
archeology *see* archaeology
arcs, island *see* island arcs
Arctic Archipelago
Quaternary 8: 1296-1312
Ardara Pluton
structural geology 10: 1543-1558
areal geology *see* bibliography
arenite
Alaska, Tertiary 7: 1023-1042
Argentina
Jurassic, Neuquen Basin 11: 1650-1666
Miocene
Argentine Andes 11: 1736-1751
Salta Argentina 11: 1736-1751
Neogene, Mendoza Argentina 6: 803-816
Argentine Andes
Miocene 11: 1736-1751
argon-argon *see* Ar/Ar
Arizona
fluvial features 5: 727-735
Arizpe Quadrangle
areal geology 4: 600-610
Arkansas *see also* Mississippi Embayment; Mississippi River; Ouachita Mountains; Stanley Group
Quaternary, Mississippi County Arkansas 4: 579-590
Arkoma Basin
lead-zinc deposits 11: 1680-1693
arroyos
Colorado Plateau, Quaternary 1: 147-158
Arthropoda *see* Mandibulata; Trilobitomorpha
ash flows
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
Asia *see also* Far East; Himalayas; Indian Peninsula; Middle East
geochemistry
Ladakh 3: 450-466
Main Central Thrust 3: 467-477

metal ores, Karakoram 3: 478-489
Quaternary
Chukchi Peninsula 7: 1106-1118
salt tectonics, Potwar Plateau 3: 351-363
stratigraphy
Siwalik Range 3: 394-412
structural geology, Tien Shan 1: 61-74
Atacama Desert
neotectonics 7: 1091-1105
Atlantic Coastal Plain *see also* North Carolina; South Carolina; Virginia
geomorphology, Southern Atlantic Coastal Plain 6: 884-899
Atlantic Ocean 6: 817-828
Great Bahama Bank 6: 829-844
Straits of Florida 6: 829-844
stratigraphy, Labrador Sea 9: 1342-1355
Atlantic region
Eocene 4: 628-640
Atlantic-type margins *see* passive margins
aulacogens
Missouri, lead-zinc deposits 11: 1680-1693
Tennessee, lead-zinc deposits 11: 1680-1693
Australasia *see* New Zealand
Australia *see* New South Wales Australia
Avalon Zone
geochemistry 6: 900-914; 7: 997-1011
avulsion
Colorado, stratigraphy 12: 1787-1803
Spain, stratigraphy 12: 1787-1803
awareness, public *see* public awareness
Bacanuchi Quadrangle
areal geology 4: 600-610
back-arc basins
Argentina
Jurassic 11: 1650-1666
Neogene 6: 803-816
backscattering
California, lacustrine features 5: 736-746
Nevada, lacustrine features 5: 736-746
Baffin Island
Quaternary 8: 1296-1312
Baja California Norte Mexico
structural geology 6: 857-870
Baja California Sur Mexico
Pliocene 2: 177-199
tectonophysics 4: 540-549
Bajocian
China 1: 61-74
barometry, geologic *see* geologic barometry
Barremian
Italy 9: 1430-1443
bars
Puerto Rico, geomorphology 12: 1763-1777
basalts *see also* alkali basalts; flood basalts
Alaska, Quaternary 10: 1594-1620
Ethiopia, plate tectonics 2: 163-176
basanite
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
basin analysis
Argentina, Jurassic 11: 1650-1666
China, structural geology 1: 61-74
India, stratigraphy 3: 394-412
Basin and Range Province *see also* Great Basin
neotectonics 6: 871-883
structural geology 9: 1375-1397
basins *see also* back-arc basins; drainage basins; fore-arc basins; foreland basins
Alberta, geochemistry 4: 531-539
Appalachians, Silurian 7: 982-996
Bolivia, structural geology 11: 1752-1759
California
Neogene 8: 1155-1178
neotectonics 6: 871-883
Ethiopia, plate tectonics 2: 163-176
Manitoba, Quaternary 6: 943-958
Mexico
Pliocene 2: 177-199
tectonophysics 4: 540-549
Missouri, lead-zinc deposits 11: 1680-1693
New Mexico, Quaternary 9: 1444-1458
Nova Scotia, geochemistry 7: 997-1011
Tennessee, lead-zinc deposits 11: 1680-1693
basins, drainage *see* drainage basins
batholiths
British Columbia
geochemistry 7: 1119-1133
structural geology 5: 708-719
California 3: 504-511
structural geology 7: 1043-1058; 7: 1059-1066
Wyoming, structural geology 4: 564-578
Yukon Territory, geochemistry 7: 1119-1133
Bay of Naples *see* Gulf of Pozzuoli
Be-10
Northwest Territories, Quaternary 8: 1296-1312
bed forms *see* bedforms
bed-load *see* bedload
bedding
California, deformation 11: 1703-1723
Ontario, Quaternary 1: 98-118
bedding faults
California 7: 1043-1058
bedforms
Ontario, Quaternary 1: 98-118
bedload
Oregon, fluvial features 12: 1814-1824
Puerto Rico, geomorphology 12: 1763-1777
Spain, geomorphology 12: 1825-1833
Bela Ophiolite
metal ores 3: 478-489
Beringia
Russian Federation, Quaternary 7: 1106-1118
beryllium
Be-10, Northwest Territories 8: 1296-1312
bibliography
China, structural geology 3: 324-350
biochemical sedimentation
Antarctica 5: 657-667
biodiversity
Alberta, stratigraphy 8: 1179-1198
biogenic structures *see* bioturbation
biostratigraphy *see also* biozones; nannofossils; paleoecology; palynomorphs
Appalachians 7: 982-996
Atlantic Ocean 6: 829-844
Ontario 9: 1342-1355
biotite
New York, structural geology 10: 1522-1530
New Zealand, geochronology 2: 250-266
Quebec, metamorphism 1: 136-146
bioturbation
Alberta, stratigraphy 8: 1179-1198
biozones
California, Neogene 8: 1155-1178
New Mexico, Quaternary 9: 1444-1458
Bisbee Group
areal geology 4: 600-610
blind faults
Alaska, earthquakes 9: 1414-1429
Atlantic Coastal Plain, geomorphology 2: 200-220
California, geologic hazards 5: 693-707
Egypt 12: 1877-1899
Oregon 8: 1225-1233
block structures
California, structural geology 1: 86-97; 7: 1043-1058
Mexico, structural geology 6: 857-870
Quebec, stratigraphy 1: 4-20
Blue Ridge Province
Silurian 7: 982-996
Bolivia *see* Eastern Cordillera
Bonner County Idaho
areal geology 9: 1356-1374
bottom features *see* submarine canyons
bottom load *see* bedload
Bouguer anomalies
Pakistan, metal ores 3: 478-489
boulders
Northwest Territories, Quaternary 8: 1296-1312
braided streams
Arkansas, Quaternary 4: 579-590
Oregon, fluvial features 12: 1814-1824
Bridgerian
Wyoming 2: 292-307
brines *see also* salt water
Alaska, structural geology 4: 550-563
British Columbia *see also* Canadian Cordillera; Cassiar Mountains; Coast plutonic complex; Omineca Belt
Quaternary 12: 1850-1863
brittle deformation
Pakistan 3: 351-363
Bryozoa
Appalachians, Silurian 7: 982-996
Burleson County Texas
Eocene 4: 628-640
C-13/C-12
Antarctica, stratigraphy 9: 1459-1472
California, petroleum 11: 1667-1679
Italy, stratigraphy 2: 308-319
Missouri, lead-zinc deposits 11: 1680-1693
Nepal, stratigraphy 3: 424-434
New Mexico, sedimentary petrology 5: 643-656
Spain, stratigraphy 2: 308-319
Tennessee, lead-zinc deposits 11: 1680-1693
United Kingdom, Eocene 4: 628-640
United States, Eocene 4: 628-640
C-14
Alaska, earthquakes 9: 1414-1429
California
Quaternary 10: 1559-1581
structural geology 1: 86-97
Guatemala, Quaternary 8: 1234-1249
Ireland, Quaternary 12: 1834-1849
Manitoba, Quaternary 6: 943-958
Mexico, Quaternary 8: 1234-1249
Nepal, Quaternary 10: 1621-1632
New Mexico, Quaternary 9: 1444-1458
Ca *see* calcium
Cadomian Orogeny
Spain, structural geology 9: 1398-1413
Cainozoic *see* Cenozoic
calcareous clay *see* marl
calcareous nannofossils *see* nannofossils
calcium
California, diagenesis 6: 845-856
calderas
Alaska, Quaternary 10: 1594-1620
Caledonian Orogeny
Ireland, structural geology 10: 1543-1558
California *see also* Coast Range Ophiolite; Franciscan Complex; Great Valley Sequence; Mojave Desert; Sacramento Basin; Sierra Nevada
diagenesis, San Joaquin County California 6: 845-856
fluvial features
Cape Mendocino 8: 1250-1263
Mendocino County California 8: 1250-1263

folds
Santa Barbara County California 7: 1080-1090
Transverse Ranges 7: 1080-1090
Ventura Basin 7: 1080-1090
Ventura County California 7: 1080-1090
geochemistry
Kern County California 8: 1264-1279
San Bernardino County California 8: 1264-1279
geologic hazards
Los Angeles Basin 5: 693-707
Los Angeles California 5: 693-707
Monterey County California 2: 236-249
San Luis Obispo County California 2: 236-249
Santa Barbara County California 2: 236-249
Santa Cruz County California 2: 236-249
Yosemite National Park 1: 75-85
lacustrine features
El Dorado County California 5: 736-746
Placer County California 5: 736-746
magmas, Sierra Nevada Batholith 1: 119-135
Neogene
Los Angeles Basin 8: 1155-1178
Los Angeles County California 8: 1155-1178
Orange County California 8: 1155-1178
Riverside County California 8: 1155-1178
San Bernardino County California 8: 1155-1178
Whittier Fault 8: 1155-1178
neotectonics
Death Valley 6: 871-883
Inyo Mountains 6: 871-883
Panamint Range 6: 871-883
petroleum, Santa Barbara County California 11: 1667-1679
petrology
Fresno County California 3: 504-511
Inyo County California 3: 504-511
Sierra Nevada Batholith 3: 504-511
Quaternary, Los Angeles California 10: 1559-1581
sedimentary petrology, Los Angeles California 11: 1635-1649
structural geology
Los Angeles County California 7: 1067-1079
Madera County California 7: 1043-1058
Mariposa County California 7: 1043-1058
Mono County California 7: 1059-1066
San Emigdio Mountains 1: 86-97
San Joaquin Valley 1: 86-97
Santa Barbara Channel 7: 1067-1079
Santa Barbara County California 7: 1067-1079
Santa Maria Basin 7: 1067-1079
Santa Monica Mountains 7: 1067-1079
Sierra Nevada Batholith 7: 1043-1058; 7: 1059-1066
Transverse Ranges 7: 1067-1079
Tuolumne County California 7: 1059-1066
Ventura County California 7: 1067-1079
Campania Italy *see* Bay of Naples
Canada *see also* Eastern Canada; Northwest Territories; Western Canada
geochemistry
Canadian Cordillera 4: 531-539; 7: 1119-1133
Canadian Rocky Mountains 4: 531-539
Cassiar Mountains 7: 1119-1133
Meguma Terrane 7: 997-1011
petrology, Canadian Cordillera 8: 1280-1295
Quaternary, Baffin Island 8: 1296-1312
stratigraphy, James Bay Lowlands 9: 1342-1355
structural geology
Canadian Cordillera 6: 929-942
Canadian Rocky Mountains 6: 929-942
Canadian Cordillera
geochemistry 4: 531-539; 7: 1119-1133
petrology 8: 1280-1295
structural geology 6: 929-942
Canadian Rocky Mountains
geochemistry 4: 531-539
structural geology 6: 929-942
Canadian Shield
geochemistry, Grenville Province 6: 900-914
structural geology, Grenville Province 10: 1522-1530
Cape Mendocino
fluvial features 8: 1250-1263
capture *see* stream capture
Caravaca Spain
stratigraphy 2: 308-319
carbon
C-13/C-12
Antarctica 9: 1459-1472
California 11: 1667-1679
Italy 2: 308-319
Missouri 11: 1680-1693
Nepal 3: 424-434
New Mexico 5: 643-656
Spain 2: 308-319
Tennessee 11: 1680-1693
United Kingdom 4: 628-640
United States 4: 628-640
C-14
Alaska 9: 1414-1429
California 1: 86-97; 10: 1559-1581
Guatemala 8: 1234-1249
Ireland 12: 1834-1849
Manitoba 6: 943-958
Mexico 8: 1234-1249
Nepal 10: 1621-1632
New Mexico 9: 1444-1458
organic carbon, Antarctica 9: 1459-1472
carbon-14 *see* C-14
carbonate platforms
Atlantic Ocean 6: 829-844
Mexico, stratigraphy 5: 799-800
Quebec, stratigraphy 1: 4-20
carbonate ramps
France, Eocene 4: 515-530
carbonate rocks *see also* dolostone; limestone
Canada, structural geology 6: 929-942
Italy, stratigraphy 2: 308-319
New Mexico 5: 643-656
Spain, stratigraphy 2: 308-319
carbonate sediments *see also* carbonate platforms
Costa Rica 7: 963-981
carbonates
Alaska, structural geology 4: 550-563
California, petroleum 11: 1667-1679
France, fractures 8: 1199-1208
Missouri, lead-zinc deposits 11: 1680-1693
Tennessee, lead-zinc deposits 11: 1680-1693
Carboniferous *see also* Mississippian
Namurian
New South Wales Australia 9: 1315-1341
Nova Scotia 9: 1315-1341
Westphalian
New South Wales Australia 9: 1315-1341
Nova Scotia 9: 1315-1341
Caribbean region *see also* West Indies
stratigraphy 7: 963-981
Carrizo Mountain Formation 7: 1134-1148
carst *see* karst
cartography *see also* geodesy 4: 600-610
folds 7: 1080-1090
lacustrine features 5: 736-746
magmas 1: 119-135
Quaternary 2: 221-2357; 7: 1106-1118; 10: 1594-1620
structural geology 3: 364-374; 10: 1543-1558; 11: 1752-1759
Cascade Range
fluvial features 12: 1814-1824
Cascadia Basin
Miocene 8: 1209-1224
Cascadia subduction zone
neotectonics 8: 1225-1233
Cassiar Mountains
geochemistry 7: 1119-1133
cataclasites
Switzerland, deformation 1: 21-33
catchments *see* drainage basins
cathodoluminescence 2: 278-291; 5: 747-763; 11: 1680-1693
cement
Alaska, structural geology 4: 550-563
California, petroleum 11: 1667-1679
Missouri, lead-zinc deposits 11: 1680-1693
New Mexico, sedimentary petrology 5: 643-656
Tennessee, lead-zinc deposits 11: 1680-1693
Cenomanian
Alberta 8: 1179-1198
Cenozoic *see also* Quaternary; Tertiary
California 7: 1080-1090
Chile 7: 1091-1105
Colombia 7: 1091-1105
Matuyama Chron
Alberta 10: 1496-1506
Montana 10: 1496-1506
New Mexico 10: 1582-1593
Pakistan 3: 364-374
Siwalik System 3: 424-434
structural geology 3: 435-449
Tulare Formation, structural geology 1: 86-97
Central America *see* Costa Rica; Guatemala
central granite *see* batholiths
Chaidamu Basin *see* Qaidam Basin
chain silicates *see* amphibole group
chambers, magma *see* magma chambers
channel geometry
California, fluvial features 8: 1250-1263
Washington, geomorphology 4: 591-599
channelization
Florida, geomorphology 6: 884-899
channels *see also* braided streams; channel geometry; streamflow
Arkansas, Quaternary 2: 221-235
Missouri, Quaternary 2: 221-235
Puerto Rico, geomorphology 12: 1763-1777
Russian Federation, Quaternary 7: 1106-1118
characteristic remanent magnetization
Mexico, tectonophysics 4: 540-549
Charleston earthquake 1886
Atlantic Coastal Plain, geomorphology 2: 200-220
chartology *see* cartography
chemical remanent magnetization
Canada, structural geology 6: 929-942
chemostratigraphy
India, geochemistry 3: 467-477
Chiapas Mexico
Quaternary 8: 1234-1249
Chile
neotectonics, Atacama Desert 7: 1091-1105
China *see also* Qinghai China; Sichuan China; Xinjiang China; Xizang China; Yunnan China
geomorphology 3: 490-503

Quaternary
Qinghai-Xizang Plateau 3: 375-393
Sichuan Basin 3: 375-393
structural geology
Kunlun Mountains 1: 61-74
Qilian Mountains 1: 61-74
Qinghai-Xizang Plateau 3: 413-423
chlorine
Cl-36, Russian Federation 7: 1106-1118
Chomolungma *see* Mount Everest
chromite
Arkansas, geochemistry 7: 1012-1022
Oklahoma, geochemistry 7: 1012-1022
chromite ores
Pakistan 3: 478-489
Chukchi Peninsula
Quaternary 7: 1106-1118
Cl-36
Russian Federation, Quaternary 7: 1106-1118
Clackamas County Oregon
neotectonics 8: 1225-1233
Clark County Nevada
structural geology 9: 1375-1397
Clarke County Mississippi
Eocene 4: 628-640
clastic rocks *see also* arenite; conglomerate; flysch; marl; mudstone; orthoquartzite; sandstone; shale; siltstone; turbidite; volcaniclastics
California, Neogene 8: 1155-1178
Nova Scotia, geochemistry 7: 997-1011
clastic sediments *see also* alluvium; boulders; diamicton; erratics; gravel; loess; ooze; sand; siliciclastics; till
California, Quaternary 10: 1559-1581
hydrology 12: 1778-1786
Italy, Quaternary 10: 1531-1542
clay mineralogy
Mississippi Valley, Quaternary 10: 1475-1495
cleavage
California, structural geology 7: 1059-1066
cliff of displacement *see* fault scarps
cliffs
California, geologic hazards 2: 236-249
climate change
New Mexico, Quaternary 9: 1444-1458
Wyoming, stratigraphy 2: 292-307
climatology, paleo- *see* paleoclimatology
clinoamphibole *see* hornblende
Coahuila Mexico
stratigraphy 5: 799-800
Coahuila Platform
stratigraphy 5: 799-800
Coast plutonic complex
structural geology 5: 708-719
Coast Range Ophiolite
deformation 11: 1703-1723
coastal features *see* shore features
coastal plains
Atlantic Coastal Plain, geomorphology 2: 200-220
coastlines *see* shorelines
Coelenterata
Anthozoa
Costa Rica 7: 963-981
Florida 2: 267-277
Colombia *see* Eastern Cordillera
Colorado *see* Wasatch Formation
Colorado Plateau *see also* New Mexico
Quaternary 1: 147-158
Colorado River
sedimentary petrology 11: 1635-1649
Comanchean *see also* Bisbee Group
Mexico 5: 799-800
comendite
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
common mica *see* muscovite
compression tectonics
Alaska, Tertiary 7: 1023-1042
Alberta, geochemistry 4: 531-539
concretions
New Mexico 5: 643-656
conglomerate
California 11: 1635-1649
Idaho 9: 1356-1374
India, stratigraphy 3: 394-412
Mexico 4: 600-610
New Mexico 5: 643-656
Connecticut Valley
geochemistry 6: 900-914
Conodonta
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
contact metamorphism
British Columbia, structural geology 5: 708-719
contamination, magma *see* magma contamination
continental crust
China
Quaternary 3: 375-393
structural geology 3: 413-423
Ethiopia 2: 163-176
Nevada, metal ores 5: 764-782
New Mexico, geochemistry 10: 1582-1593
Switzerland, deformation 1: 21-33
Utah, metal ores 5: 764-782
Wyoming, structural geology 4: 564-578
continental drift *see* Gondwana; Laurentia
continental margin *see also* active margins; continental margin sedimentation; continental slope; submarine canyons
Appalachians, Silurian 7: 982-996
Mexico, structural geology 6: 857-870
Pacific region, tectonophysics 4: 611-627
Quebec, petrology 6: 915-928
continental margin sedimentation
Atlantic Ocean 6: 829-844
continental migration *see* continental drift
continental shelf *see* continental margin
continental slope *see also* submarine canyons
Oregon, Miocene 8: 1209-1224
continental terrace *see* continental shelf
continental type *see* continental crust
Cook Inlet
earthquakes 9: 1414-1429
structural geology 4: 550-563
Cook Inlet basin
earthquakes 9: 1414-1429
copper ores
Pakistan 3: 478-489
coral reefs *see* reefs
Cordillera Oriental *see* Eastern Cordillera
Cordilleran ice sheet
British Columbia, Quaternary 12: 1850-1863
Cordilleran Orogeny
Canada, structural geology 6: 929-942
Idaho, areal geology 9: 1356-1374
core complexes *see* metamorphic core complexes
Costa Rica
stratigraphy 7: 963-981
Cretaceous *see also* Coast plutonic complex; Franciscan Complex; Great Valley Sequence; Laramide Orogeny
Alaska 11: 1760
Albian
Alaska 7: 1023-1042
Alberta 8: 1179-1198
Mexico 5: 799-800
Ontario 9: 1342-1355
Aptian
Alaska 7: 1023-1042
Italy 9: 1430-1443
Barremian, Italy 9: 1430-1443
Bisbee Group, areal geology 4: 600-610
British Columbia 7: 1119-1133
California 3: 504-511; 7: 1059-1066
Canada 6: 929-942
Cenomanian, Alberta 8: 1179-1198
Comanchean, Mexico 5: 799-800
Cupido Formation 5: 799-800
India 3: 450-466
Nevada 1: 45-60
Pacific region 4: 611-627
Pakistan 3: 478-489
Santonian
Italy 2: 308-319
Spain 2: 308-319
Yukon Territory 7: 1119-1133
Crinozoa
Appalachians, Silurian 7: 982-996
CRM *see* chemical remanent magnetization
crust
California
deformation 11: 1703-1723
geochemistry 8: 1264-1279
continental crust
China 3: 375-393; 3: 413-423
Ethiopia 2: 163-176
Nevada 5: 764-782
New Mexico 10: 1582-1593
Switzerland 1: 21-33
Utah 5: 764-782
Wyoming 4: 564-578
lower crust, China 3: 375-393
oceanic crust, Quebec 6: 915-928
Pacific region 4: 611-627
Crustacea *see* Ostracoda
crustal shortening
California, structural geology 1: 34-44
China, Quaternary 3: 375-393
crustal thickening
China, Quaternary 3: 375-393
Quebec, metamorphism 1: 136-146
Spain, structural geology 9: 1398-1413
crystallization remanent magnetization *see* chemical remanent magnetization
Culberson County Texas *see* Van Horn Texas
Cumberland Peninsula
Quaternary 8: 1296-1312
Cupido Formation 5: 799-800
currents *see* fluvial currents; ocean currents
dacites
Alaska, Quaternary 10: 1594-1620
dating, fission-track *see* fission-track dating
Dead Sea Rift
hydrogeology 11: 1694-1702
Death Valley
neotectonics 6: 871-883
debris avalanches
California 5: 736-746
Nevada 5: 736-746
debris cones
Ireland, Quaternary 12: 1834-1849
debris flows
California 5: 736-746
Nevada 5: 736-746
New Zealand, Quaternary 7: 1149-1152
Oregon 12: 1814-1824
decollement
Pakistan, salt tectonics 3: 351-363
decompression
Nevada, metamorphism 1: 45-60

deep-sea fans *see* submarine fans
deformation *see also* cleavage; extension tectonics; flexure; folds; foliation; geodesy 5: 683-692
Alaska 4: 550-563
earthquakes 9: 1414-1429
brittle deformation, Pakistan 3: 351-363
California 11: 1703-1723
Canada 6: 929-942
China 3: 413-423
ductile deformation
California 7: 1043-1058
Pakistan 3: 351-363
Oregon, Miocene 8: 1209-1224
Quebec, metamorphism 1: 136-146
Switzerland 1: 21-33
deglaciation
Manitoba, Quaternary 6: 943-958
Northwest Territories, Quaternary 8: 1296-1312
deltas *see* Gilbert-type deltas
depressions
Arkansas, Quaternary 4: 579-590
Florida, geomorphology 12: 1804-1813
Des Moines Lobe
Mississippi Valley, Quaternary 10: 1475-1495
detachment *see* decollement
detachment faults
Arizona, fluvial features 5: 727-735
California 11: 1703-1723
Switzerland 1: 21-33
detrital fan *see* alluvial fans
Devonian
Famennian, Alberta 4: 531-539
Frasnian, Alberta 4: 531-539
Quebec 1: 4-20
dextral faults *see* right-lateral faults
diachronism
Argentina, Miocene 11: 1736-1751
Quebec, metamorphism 1: 136-146
diagenesis
Alaska, structural geology 4: 550-563
California 6: 845-856
petroleum 11: 1667-1679
Florida, Quaternary 2: 267-277
Missouri, lead-zinc deposits 11: 1680-1693
Tennessee, lead-zinc deposits 11: 1680-1693
diagonal-slip faults *see* oblique-slip faults
diamicton
Alberta, stratigraphy 10: 1496-1506
Montana, stratigraphy 10: 1496-1506
Ontario, Quaternary 1: 98-118
diapiric fold *see* diapirs
diapirism
Pakistan, salt tectonics 3: 351-363
diatoms
Manitoba, Quaternary 6: 943-958
digital terrain models
California, fluvial features 8: 1250-1263
dike swarms
California, petrology 3: 504-511
Oregon, Miocene 5: 668-682
Pacific region, tectonophysics 4: 611-627
Wyoming, structural geology 4: 564-578
Dinoflagellata
Alberta, stratigraphy 8: 1179-1198
California, Neogene 8: 1155-1178
Ontario, stratigraphy 9: 1342-1355
diorites *see also* plagiogranite
California 3: 504-511
disconformities *see* erosional unconformities
displacement theory *see* continental drift
divergence, plate *see* plate divergence
dolostone
California, petroleum 11: 1667-1679
Dona Ana County New Mexico
geochemistry 10: 1582-1593
Donegal Ireland *see* Ardara Pluton
Douglas County Nevada
lacustrine features 5: 736-746
drag folds
Arkansas 11: 1724-1735
drainage basins *see also* drainage patterns; valleys
Florida, geomorphology 6: 884-899; 12: 1804-1813
drainage patterns
Arizona, fluvial features 5: 727-735
California, fluvial features 8: 1250-1263
Ontario, Quaternary 1: 98-118
Spain, geomorphology 12: 1825-1833
Washington, geomorphology 4: 591-599
Dras Basin
geochemistry 3: 450-466
drumlins
Ontario, Quaternary 1: 98-118
dry delta *see* alluvial fans
ductile deformation
California 7: 1043-1058
Pakistan 3: 351-363
Dunnage Zone
metamorphism 1: 136-146
dykes *see* dikes
earthquake prediction
California, geologic hazards 5: 693-707
earthquakes *see also* focal mechanism; geologic hazards; paleoseismicity; seismic zoning
Charleston earthquake 1886, Atlantic Coastal Plain 2: 200-220
New Madrid earthquakes 1811-1812, Arkansas 4: 579-590
volcanic earthquakes, Alaska 10: 1594-1620
East Africa *see* Ethiopia; Ethiopian Rift
East African Rift
plate tectonics 2: 163-176
East Humboldt Range
metamorphism 1: 45-60
East Pacific *see* Northeast Pacific
Eastern Alps
deformation 1: 21-33
Eastern Canada *see* Baffin Island; James Bay Lowlands; Maritime Provinces; Meguma Terrane; Ontario; Quebec
Eastern Cordillera
Miocene 11: 1736-1751
neotectonics 7: 1091-1105
structural geology 11: 1752-1759
Ebro Basin
stratigraphy 12: 1787-1803
Echinodermata
Crinozoa, Appalachians 7: 982-996
echo sounding
California, lacustrine features 5: 736-746
Nevada, lacustrine features 5: 736-746
ecology *see* wetlands
economic geology *see* brines; chromite ores; copper ores; hematite; lead-zinc deposits; manganese ores; metal ores; peat; petroleum; shale
Ectoprocta *see* Bryozoa
Egan Range
structural geology 9: 1375-1397
Egypt
tectonics, Sinai Egypt 12: 1877-1899
El Dorado County California
lacustrine features 5: 736-746
El Nino
California, geologic hazards 2: 236-249
El Paso County Texas
Proterozoic 7: 1134-1148
Elko County Nevada *see* East Humboldt Range
Elysian Park Anticline
geologic hazards 5: 693-707
en echelon faults
Idaho 9: 1356-1374
engineering geology *see* earthquakes; geologic hazards
England
Eocene, Hampshire Basin 4: 628-640
environmental geology *see* ecology; geologic hazards; pollution; reclamation
Eocene *see also* Wasatch Formation
Bridgerian, Wyoming 2: 292-307
California 11: 1635-1649
France 4: 515-530
Green River Formation 2: 292-307
Idaho 9: 1356-1374
Subathu Formation, structural geology 3: 435-449
United Kingdom 4: 628-640
United States 4: 628-640
Wasatchian, Wyoming 2: 292-307
epeirophoresis theory *see* continental drift
epicenters
Atlantic Coastal Plain, geomorphology 2: 200-220
erosion *see also* abrasion; erosion features; erosion rates; geologic hazards; glacial erosion; shorelines; slope stability; valleys
India
stratigraphy 3: 394-412
structural geology 3: 435-449
Israel, geomorphology 12: 1864-1876
Ontario, Quaternary 1: 98-118
erosion features *see also* arroyos
Alaska, geomorphology 3: 490-503
California, geomorphology 3: 490-503
China, geomorphology 3: 490-503
Pakistan, geomorphology 3: 490-503
erosion rates
Alaska, geomorphology 3: 490-503
California
fluvial features 8: 1250-1263
geomorphology 3: 490-503
China, geomorphology 3: 490-503
Pakistan, geomorphology 3: 490-503
Spain, geomorphology 12: 1825-1833
erosional features *see* erosion features
erosional unconformities
Argentina, Miocene 11: 1736-1751
Mexico, Pliocene 2: 177-199
erratics
Northwest Territories, Quaternary 8: 1296-1312
Russian Federation, Quaternary 7: 1106-1118
eruptions *see* plinian-type eruptions; volcanic earthquakes; volcanic risk; volcanoes
eruptive rocks *see* volcanic rocks
escarpments *see* scarps
Estancia Basin
Quaternary 9: 1444-1458
Ethiopia *see* East African Rift
Ethiopian Rift
plate tectonics 2: 163-176
Europe *see also* Alps; Southern Europe; Western Europe
structural geology, Ossa-Morena Zone 9: 1398-1413
Everglades
geomorphology 6: 884-899
exhalative processes
Pakistan, metal ores 3: 478-489
exhumation
California, neotectonics 6: 871-883
Idaho 9: 1356-1374
Nevada, metamorphism 1: 45-60

New Zealand, geochronology 2: 250-266
Switzerland, deformation 1: 21-33
exogenous inclusions *see* xenoliths
exposure age
Nepal, Quaternary 10: 1621-1632
Northwest Territories, Quaternary 8: 1296-1312
Russian Federation, Quaternary 7: 1106-1118
extension faults
Egypt 12: 1877-1899
Switzerland 1: 21-33
extension fractures
California, magmas 1: 119-135
extension tectonics
Arizona, fluvial features 5: 727-735
California 1: 34-44
Mexico 6: 857-870
Oregon, Miocene 5: 668-682
Quebec, stratigraphy 1: 4-20
facies *see* amphibolite facies; greenschist facies
Famennian
Alberta 4: 531-539
Far East *see* China
fault blocks *see* block structures
fault scarps
Alaska, earthquakes 9: 1414-1429
California, neotectonics 6: 871-883
fault zones *see also* rift zones
Arkansas 11: 1724-1735
California
Neogene 8: 1155-1178
petroleum 11: 1667-1679
China, structural geology 3: 413-423
Oregon, neotectonics 8: 1225-1233
faults *see also* block structures; deformation; gouge; grabens; shear zones
active faults
Alaska 9: 1414-1429
Arkansas 11: 1724-1735
California 5: 693-707; 10: 1559-1581
China 3: 375-393
Alaska 11: 1760
bedding faults, California 7: 1043-1058
blind faults
Alaska 9: 1414-1429
Atlantic Coastal Plain 2: 200-220
California 5: 693-707
Egypt 12: 1877-1899
Oregon 8: 1225-1233
detachment faults
Arizona 5: 727-735
California 11: 1703-1723
Switzerland 1: 21-33
en echelon faults, Idaho 9: 1356-1374
Ethiopia, plate tectonics 2: 163-176
extension faults
Egypt 12: 1877-1899
Switzerland 1: 21-33
lateral faults, China 3: 413-423
left-lateral faults
California 7: 1080-1090; 10: 1559-1581
China 1: 61-74
listric faults, California 7: 1067-1079
low-angle faults
California 6: 871-883
Switzerland 1: 21-33
Mexico, Pliocene 2: 177-199
normal faults
Arizona 5: 727-735
California 1: 34-44; 6: 871-883; 11: 1703-1723
Egypt 12: 1877-1899
Idaho 9: 1356-1374
Israel 12: 1864-1876
Nevada 9: 1375-1397
oblique-slip faults, New Mexico 5: 783-798
overthrust faults, Alaska 7: 1023-1042
reverse faults
Arkansas 11: 1724-1735
California 1: 86-97; 5: 693-707; 7: 1080-1090; 10: 1559-1581
France 4: 515-530
right-lateral faults, California 1: 34-44
strike-slip faults
Arkansas 11: 1724-1735
California 7: 1080-1090; 8: 1155-1178
China 1: 61-74
Oregon 8: 1225-1233
thrust faults
California 7: 1043-1058
France 8: 1199-1208
India 3: 467-477
Wyoming 4: 564-578
transcurrent faults, Texas 7: 1134-1148
underthrust faults, Pakistan 3: 364-374
features, bottom *see* bottom features
features, erosion *see* erosion features
features, fluvial *see* fluvial features
features, lacustrine *see* lacustrine features
features, shore *see* shore features
features, volcanic *see* volcanic features
federal lands *see* public lands
feeding ground *see* drainage basins
feldspar group
Pacific region, tectonophysics 4: 611-627
fens
Manitoba, Quaternary 6: 943-958
field, magnetic *see* magnetic field
fission-track dating
New Zealand, geochronology 2: 250-266
flexure
California, structural geology 1: 34-44; 1: 86-97
China, Quaternary 3: 375-393
flood basalts
Oregon, Miocene 5: 668-682
flood tuff *see* ignimbrite
floodplains
Arkansas, Quaternary 4: 579-590
Iceland, Quaternary 10: 1507-1521
floods
Florida, geomorphology 6: 884-899
Oregon, fluvial features 12: 1814-1824
Florida *see also* Suwannee River
geomorphology
Everglades 6: 884-899
Glades County Florida 6: 884-899
Highlands County Florida 6: 884-899
Okeechobee County Florida 6: 884-899
Osceola County Florida 6: 884-899
Polk County Florida 6: 884-899
Quaternary, Florida Keys 2: 267-277
Florida Keys
Quaternary 2: 267-277
Florida Straits *see* Straits of Florida
fluid inclusions
France, fractures 8: 1199-1208
Missouri, lead-zinc deposits 11: 1680-1693
Tennessee, lead-zinc deposits 11: 1680-1693
fluids, ore-forming *see* ore-forming fluids
fluvial currents
Argentina, Miocene 11: 1736-1751
fluvial environment *see* fluviolacustrine environment
fluvial features *see* alluvial fans; arroyos; braided streams; channel geometry; channels; debris cones; drainage patterns; floodplains; outwash plains; rivers; terraces; valleys
fluvial sedimentation *see also* glaciofluvial sedimentation
hydrology 12: 1778-1786
New Zealand, Quaternary 7: 1149-1152
Puerto Rico, geomorphology 12: 1763-1777
Washington, geomorphology 4: 591-599
fluvial sediments *see* stream sediments
fluvial transport *see* stream transport
fluviolacustrine environment
Nova Scotia, geochemistry 7: 997-1011
flysch
Arkansas, geochemistry 7: 1012-1022
Oklahoma, geochemistry 7: 1012-1022
focal mechanism
Oregon, neotectonics 8: 1225-1233
fold and thrust belts
Argentina, Neogene 6: 803-816
Bolivia, structural geology 11: 1752-1759
California
folds 7: 1080-1090
structural geology 7: 1067-1079
Canada, structural geology 6: 929-942
India
stratigraphy 3: 394-412
structural geology 3: 435-449
Nepal, stratigraphy 3: 424-434
Pakistan, metal ores 3: 478-489
folds *see also* cleavage; foliation
anticlines
Alaska 4: 550-563; 9: 1414-1429
California 5: 693-707
California 7: 1067-1079; 7: 1080-1090
drag folds, Arkansas 11: 1724-1735
Italy, Quaternary 10: 1531-1542
monoclines
California 1: 86-97; 11: 1703-1723
Egypt 12: 1877-1899
overturned folds, California 1: 34-44
recumbent folds, Nevada 1: 45-60
synclines
Bolivia 11: 1752-1759
California 1: 34-44
Egypt 12: 1877-1899
Wyoming 4: 564-578
foliation *see also* cleavage
British Columbia 5: 708-719
California, magmas 1: 119-135
Ireland 10: 1543-1558
metamorphism 5: 747-763
Foraminifera *see also* Textulariina
Appalachians, Silurian 7: 982-996
fore-arc basins
Alaska
earthquakes 9: 1414-1429
structural geology 4: 550-563
California, deformation 11: 1703-1723
India, geochemistry 3: 450-466
Oregon, Miocene 8: 1209-1224
foreland basins
Alberta, stratigraphy 8: 1179-1198
Argentina
Miocene 11: 1736-1751
Neogene 6: 803-816
France, Eocene 4: 515-530
India
stratigraphy 3: 394-412
structural geology 3: 435-449
fossil soils *see* Paleosols
Fox Glacier
geochronology 2: 250-266
fractures
extension fractures, California 1: 119-135
France 8: 1199-1208
framework silicates *see* feldspar group; zeolite group

France
Eocene, Hautes-Alpes France 4: 515-530
fractures
French Pyrenees 8: 1199-1208
Gavarnie France 8: 1199-1208
Franciscan Complex
deformation 11: 1703-1723
Franklin District Northwest Territories *see* Arctic Archipelago; Baffin Island
Franklin Mountains
Proterozoic 7: 1134-1148
Frasnian
Alberta 4: 531-539
Fremont County Wyoming
structural geology 4: 564-578
French Pyrenees
fractures 8: 1199-1208
Fresno County California
petrology 3: 504-511
gabbros *see* alkali gabbros
Galilee
geomorphology 12: 1864-1876
Garhwal Himalayas
geochemistry 3: 467-477
garnet group
British Columbia, structural geology 5: 708-719
Gaspe Belt
metamorphism 1: 136-146
stratigraphy 1: 4-20
Gaspe Peninsula
stratigraphy 1: 4-20
Gastropoda
United Kingdom, Eocene 4: 628-640
United States, Eocene 4: 628-640
Gauss Chron
Alberta 10: 1496-1506
Montana 10: 1496-1506
Gavarnie France
fractures 8: 1199-1208
geoarchaeology *see* archaeology
geobarometry *see* geologic barometry
geochemical anomalies
Italy, stratigraphy 2: 308-319
Spain, stratigraphy 2: 308-319
geochemical controls
Nevada, metal ores 5: 764-782
Utah, metal ores 5: 764-782
geochemistry
lithogeochemistry
Alaska 7: 1023-1042
Arkansas 7: 1012-1022
British Columbia 7: 1119-1133; 8: 1280-1295
California 8: 1264-1279
Canadian Shield 6: 900-914
Guatemala 8: 1234-1249
India 3: 450-466; 3: 467-477
Mexico 4: 600-610; 8: 1234-1249
New Mexico 10: 1582-1593
Nova Scotia 7: 997-1011
Oklahoma 7: 1012-1022
Yukon Territory 7: 1119-1133; 8: 1280-1295
geochronology *see* absolute age; Archean; Cenozoic; Cretaceous; Devonian; Eocene; Holocene; Jurassic; Mesozoic; Miocene; Neogene; Oligocene; Ordovician; Paleozoic; Pleistocene; Pliocene; Proterozoic; Quaternary; Silurian; Tertiary
geodesy
China, Quaternary 3: 375-393
geographic information systems
Florida, geomorphology 12: 1804-1813
Washington, geomorphology 4: 591-599
geologic barometry
British Columbia, structural geology 5: 708-719
Idaho 9: 1356-1374
geologic hazards *see also* floods; liquefaction; paleoseismicity; seismic risk; slope stability; volcanic earthquakes; volcanic risk; volcanoes
California 1: 75-85; 2: 236-249
structural geology 7: 1067-1079
geologic maps
Nevada
metamorphism 1: 45-60
structural geology 9: 1375-1397
geologic thermometry
British Columbia, structural geology 5: 708-719
Idaho 9: 1356-1374
geological barometry *see* geologic barometry
geomorphic geology *see* geomorphology
geomorphologic effects
China, Quaternary 3: 375-393
geomorphology *see also* erosion; fluvial features; glacial geology; lacustrine features; quantitative geomorphology; relief; scarps; sea-level changes; shore features; volcanic features
Arkansas, neotectonics 11: 1724-1735
California, Quaternary 10: 1559-1581
Chile, neotectonics 7: 1091-1105
Colombia, neotectonics 7: 1091-1105
hydrology 12: 1778-1786
geophysical methods
magnetic methods, metal ores 3: 478-489
geophysical profiles *see* seismic profiles
geophysical surveys *see also* Bouguer anomalies; echo sounding; magnetic methods; seismic methods
Argentina, Jurassic 11: 1650-1666
Switzerland, deformation 1: 21-33
Georgia *see* Blue Ridge Province; Ocoee Supergroup; Walden Creek Group
geosynclines *see* miogeosynclines
geotectonics *see* tectonics
geothermal gradient
Ontario, Quaternary 1: 98-118
geothermal surveys *see* heat flow
geothermometry *see* geologic thermometry
Gilbert-type deltas
Mexico, Pliocene 2: 177-199
glacial erosion
British Columbia, Quaternary 12: 1850-1863
glacial extent
Mississippi Valley, Quaternary 10: 1475-1495
Nepal, Quaternary 10: 1621-1632
Northwest Territories, Quaternary 8: 1296-1312
Russian Federation, Quaternary 7: 1106-1118
glacial features *see* drumlins; kettles; outwash plains
glacial geology *see* boulders; drainage patterns; drumlins; erratics; glacial erosion; glaciation; glaciers; ice movement; ice sheets; kettles; moraines; outwash plains; till
glacial lobes
British Columbia, Quaternary 12: 1850-1863
glacial maximum, last *see* last glacial maximum
glacial sedimentation *see* glaciofluvial sedimentation; glaciomarine sedimentation
glaciation *see also* deglaciation; glacial extent; glaciers; ice movement; ice sheets; last glacial maximum
Alberta, stratigraphy 10: 1496-1506
Montana, stratigraphy 10: 1496-1506
glacier bursts *see* jokulhlaups
Glacier County Montana
stratigraphy 10: 1496-1506
glacier floods *see* jokulhlaups
Glacier National Park
stratigraphy 10: 1496-1506
glacier outburst floods *see* jokulhlaups
glaciers *see* glacial erosion; glacial lobes; ice; ice movement; ice sheets; icebergs; moraines
glaciofluvial sedimentation
Iceland, Quaternary 10: 1507-1521
glaciology *see* glacial geology
glaciomarine sedimentation
Antarctica 5: 657-667
Glades County Florida
geomorphology 6: 884-899
glowing avalanche *see* ash flows
gneisses *see also* orthogneiss
Texas, Proterozoic 2: 278-291
Gondwana
Pacific region, tectonophysics 4: 611-627
Pakistan, metal ores 3: 478-489
Quebec, stratigraphy 1: 4-20
Gotlandian *see* Silurian
gouge
structural geology 5: 683-692
Switzerland, deformation 1: 21-33
grabens
Argentina, Jurassic 11: 1650-1666
Oregon, Miocene 5: 668-682
granites *see also* granodiorites; leucogranite; quartz monzonite
British Columbia, structural geology 5: 708-719
California, structural geology 7: 1059-1066
Canadian Shield, geochemistry 6: 900-914
Ireland, structural geology 10: 1543-1558
Mexico 4: 600-610
Pacific region, tectonophysics 4: 611-627
Switzerland, deformation 1: 21-33
granodiorites
British Columbia, geochemistry 7: 1119-1133
California 1: 119-135
Yukon Territory, geochemistry 7: 1119-1133
gravel
Ontario, Quaternary 1: 98-118
gravel-bed streams
India, stratigraphy 3: 394-412
gravity anomalies *see* Bouguer anomalies
gravity faults *see* normal faults
Great Bahama Bank 6: 829-844
Great Basin
metal ores 5: 764-782
Great Britain *see* England
Great Smoky Mountains
Silurian 7: 982-996
Great Valley Sequence
deformation 11: 1703-1723
Greater Antilles *see* Puerto Rico
Green River basin
stratigraphy 2: 292-307
Green River Formation 2: 292-307
greenhouse effect
Italy, stratigraphy 2: 308-319
Spain, stratigraphy 2: 308-319
greenschist facies
California, structural geology 7: 1059-1066
Gregory Rift
plate tectonics 2: 163-176
Grenville Orogeny *see* Grenvillian Orogeny
Grenville Province
geochemistry 6: 900-914
structural geology 10: 1522-1530
Grenvillian Orogeny
Texas 2: 278-291; 7: 1134-1148
Grimsvotn
Quaternary 10: 1507-1521
ground water *see* aquifers; salt water
groundwater *see* ground water
Guatemala
Quaternary 8: 1234-1249
Gubbio Italy
stratigraphy 2: 308-319

Gulf Coastal Plain
Eocene 4: 628-640
Gulf of California
Pliocene 2: 177-199
tectonophysics 4: 540-549
Gulf of Pozzuoli
Quaternary 10: 1531-1542
Gulf of Suez
tectonics 12: 1877-1899
gyttja
Manitoba, Quaternary 6: 943-958
half grabens
Alaska, Tertiary 7: 1023-1042
California, deformation 11: 1703-1723
New Mexico
geochemistry 10: 1582-1593
sedimentary petrology 5: 643-656
halokinesis *see* salt tectonics
Hampshire Basin
Eocene 4: 628-640
Happy Isles
geologic hazards 1: 75-85
Harcuvar Complex
fluvial features 5: 727-735
Hautes-Alpes France
Eocene 4: 515-530
Hautes-Pyrenees France *see* Gavarnie France
hazards, geologic *see* geologic hazards
Hazel Formation 7: 1134-1148
heat flow *see* geothermal gradient
heavy minerals
Arkansas, geochemistry 7: 1012-1022
Oklahoma, geochemistry 7: 1012-1022
hematite
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
Hercynian Orogeny
Spain, structural geology 9: 1398-1413
heterochrony *see* diachronism
Highlands County Florida
geomorphology 6: 884-899
Himachal Pradesh India
stratigraphy 3: 394-412
structural geology 3: 435-449
Himalaya Mountains *see* Himalayas
Himalayan Orogeny
China, structural geology 3: 324-350
India
geochemistry 3: 467-477
structural geology 3: 435-449
Nepal, stratigraphy 3: 424-434
Pakistan, structural geology 3: 364-374
Himalayas *see also* India; Main Boundary Fault; Nepal; Siwalik Range
areal geology 3: 323-503
geochemistry, Garhwal Himalayas 3: 467-477
geomorphology 3: 490-503
metal ores 3: 478-489
Quaternary 3: 375-393
Mount Everest 10: 1621-1632
salt tectonics 3: 351-363
structural geology 3: 413-423
Holocene
Arkansas 4: 579-590
California 1: 86-97
China 3: 413-423
Guatemala 8: 1234-1249
Ireland 12: 1834-1849
Manitoba 6: 943-958
Mexico 8: 1234-1249
Neoglacial, Colorado Plateau 1: 147-158
Honorat Group
stratigraphy 1: 4-20
hornblende
California, structural geology 7: 1059-1066
New York, structural geology 10: 1522-1530
Horton Group
geochemistry 7: 997-1011
Hudson Arm
stratigraphy 9: 1342-1355
Hudspeth County Texas
Proterozoic 7: 1134-1148
Humboldt County California *see* Cape Mendocino
hydrocarbons *see* aliphatic hydrocarbons
hydrogeology *see* ground water
hydrology *see also* channel geometry; floods; glaciers; ice; limnology; rivers 12: 1778-1786
New Zealand, Quaternary 7: 1149-1152
hydrothermal alteration
Nevada, metal ores 5: 764-782
Pakistan, metal ores 3: 478-489
Utah, metal ores 5: 764-782
Iberian Massif
structural geology 9: 1398-1413
Iberian Peninsula *see* Ossa-Morena Zone; Spain
ice
Antarctica 5: 657-667
ice mantle *see* ice sheets
ice movement
Antarctica 5: 657-667
British Columbia, Quaternary 12: 1850-1863
Nepal, Quaternary 10: 1621-1632
Russian Federation, Quaternary 7: 1106-1118
ice rafting
Antarctica 5: 657-667
ice sheets *see also* glacial lobes
Northwest Territories, Quaternary 8: 1296-1312
Ontario, Quaternary 1: 98-118
ice-rafting *see* ice rafting
icebergs
Antarctica 5: 657-667
Iceland
Quaternary
Grimsvotn 10: 1507-1521
Vatnajokull 10: 1507-1521
Idaho
areal geology, Bonner County Idaho 9: 1356-1374
igneous rocks
alkali basalts, New Mexico 10: 1582-1593
andesites, Alaska 10: 1594-1620
basalts
Alaska 10: 1594-1620
Ethiopia 2: 163-176
basanite
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
comendite
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
dacites, Alaska 10: 1594-1620
diorites, California 3: 504-511
flood basalts, Oregon 5: 668-682
granites
British Columbia 5: 708-719
California 7: 1059-1066
Canadian Shield 6: 900-914
Ireland 10: 1543-1558
Mexico 4: 600-610
Pacific region 4: 611-627
Switzerland 1: 21-33
granodiorites
British Columbia 7: 1119-1133
California 1: 119-135
Yukon Territory 7: 1119-1133
leucogranite, Nevada 1: 45-60
monzonites
British Columbia 7: 1119-1133
Yukon Territory 7: 1119-1133
nephelinite
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
phonolites
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
plagiogranite, Quebec 6: 915-928
porphyry
Nevada 5: 764-782
Utah 5: 764-782
pyroclastics, Argentina 6: 803-816
quartz monzonite
British Columbia 7: 1119-1133
Yukon Territory 7: 1119-1133
rhyodacites, Alaska 10: 1594-1620
rhyolites, Alaska 10: 1594-1620
Spain, structural geology 9: 1398-1413
trachytes
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
volcanic rocks
California 1: 34-44; 8: 1264-1279
Mexico 4: 600-610
New South Wales Australia 9: 1315-1341
Nova Scotia 9: 1315-1341
ignimbrite *see* ash flows
Illinoian
Arkansas 2: 221-235
Missouri 2: 221-235
Illinois Basin
lead-zinc deposits 11: 1680-1693
Illinois River
Quaternary 10: 1475-1495
Illinoisan *see* Illinoian
image analysis
Pakistan, structural geology 3: 364-374
imbricate tectonics
California 11: 1703-1723
Nevada 9: 1375-1397
Pakistan 3: 351-363
Texas, Proterozoic 2: 278-291
inclination, magnetic *see* magnetic inclination
inclusions *see also* fluid inclusions
xenoliths
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
Independence dike swarm
petrology 3: 504-511
India *see also* Indus-Yarlung Zangbo suture zone; Ladakh
geochemistry, Garhwal Himalayas 3: 467-477
stratigraphy, Himachal Pradesh India 3: 394-412
structural geology, Himachal Pradesh India 3: 435-449
Indian Ocean *see* Red Sea
Indian Peninsula *see* Jammu and Kashmir; Nepal; Pakistan; Potwar Plateau
Indus-Yarlung Zangbo suture zone
geochemistry 3: 450-466
information systems *see* geographic information systems
intrusions
batholiths
British Columbia 5: 708-719; 7: 1119-1133
California 3: 504-511; 7: 1043-1058; 7: 1059-1066
Wyoming 4: 564-578
Yukon Territory 7: 1119-1133
dikes
Oregon 5: 668-682
Pacific region 4: 611-627
Wyoming 4: 564-578

Mexico 4: 600-610
Nevada, metal ores 5: 764-782
plutons
British Columbia 5: 708-719
California 1: 34-44; 3: 504-511
Canadian Shield 6: 900-914
Ireland 10: 1543-1558
Pacific region 4: 611-627
Wyoming 4: 564-578
Utah, metal ores 5: 764-782
intrusive mountain *see* batholiths
inversion tectonics
Argentina, Jurassic 11: 1650-1666
Invertebrata *see* Arthropoda; Bryozoa; Coelenterata; Echinodermata; Mollusca; Protista
Inyo County California *see also* Inyo Mountains; Panamint Range
petrology 3: 504-511
Inyo Mountains
neotectonics 6: 871-883
Ireland
Quaternary, Kerry Ireland 12: 1834-1849
structural geology, Ardara Pluton 10: 1543-1558
irruption (intrusion) *see* intrusions
island arcs
Alaska, Tertiary 7: 1023-1042
isotopes
Al-26, Northwest Territories 8: 1296-1312
Be-10, Northwest Territories 8: 1296-1312
C-13/C-12
Antarctica 9: 1459-1472
California 11: 1667-1679
Italy 2: 308-319
Missouri 11: 1680-1693
Nepal 3: 424-434
New Mexico 5: 643-656
Spain 2: 308-319
Tennessee 11: 1680-1693
United Kingdom 4: 628-640
United States 4: 628-640
C-14
Alaska 9: 1414-1429
California 1: 86-97; 10: 1559-1581
Guatemala 8: 1234-1249
Ireland 12: 1834-1849
Manitoba 6: 943-958
Mexico 8: 1234-1249
Nepal 10: 1621-1632
New Mexico 9: 1444-1458
Cl-36, Russian Federation 7: 1106-1118
Nd-144/Nd-143
Alberta 4: 531-539
British Columbia 7: 1119-1133
California 8: 1264-1279
India 3: 450-466; 3: 467-477
New Mexico 10: 1582-1593
Nova Scotia 7: 997-1011
Yukon Territory 7: 1119-1133
O-18/O-16
British Columbia 7: 1119-1133
Canadian Shield 6: 900-914
Italy 2: 308-319
Missouri 11: 1680-1693
New Mexico 5: 643-656
Spain 2: 308-319
Switzerland 1: 21-33
Tennessee 11: 1680-1693
United Kingdom 4: 628-640
United States 4: 628-640
Yukon Territory 7: 1119-1133
Pb-206/Pb-204
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
Nevada 5: 764-782
New Mexico 10: 1582-1593
Utah 5: 764-782
Yukon Territory 7: 1119-1133
Pb-207/Pb-204
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
New Mexico 10: 1582-1593
Yukon Territory 7: 1119-1133
Pb-207/Pb-206, Pacific region 4: 611-627
Pb-208/Pb-204
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
New Mexico 10: 1582-1593
Yukon Territory 7: 1119-1133
S-34/S-32
Canadian Shield 6: 900-914
Nevada 5: 764-782
Utah 5: 764-782
Sr-87/Sr-86
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
India 3: 467-477
New Mexico 10: 1582-1593
Nova Scotia 7: 997-1011
Yukon Territory 7: 1119-1133
Israel
geomorphology, Galilee 12: 1864-1876
hydrogeology, Sea of Galilee 11: 1694-1702
Italy
paleomagnetism, Veneto Italy 9: 1430-1443
stratigraphy, Gubbio Italy 2: 308-319
James Bay Lowlands
stratigraphy 9: 1342-1355
Jammu and Kashmir *see* Ladakh
Jefferson County New York
structural geology 10: 1522-1530
jokulhlaups
Iceland, Quaternary 10: 1507-1521
Jurassic
Argentina 11: 1650-1666
Bajocian, China 1: 61-74
California 3: 504-511
Coast Range Ophiolite, deformation 11: 1703-1723
New Mexico 5: 783-798
Pakistan 3: 478-489
K/Ar
Ethiopia, plate tectonics 2: 163-176
Idaho, areal geology 9: 1356-1374
New Zealand, geochronology 2: 250-266
Oregon, Miocene 5: 668-682
Kandik River Terrane
structural geology 11: 1760
Tertiary 7: 1023-1042
Karakoram
metal ores 3: 478-489
karst *see* sinkholes
karst topography *see* karst
Kasauli Series
structural geology 3: 435-449
Katmai
Quaternary 10: 1594-1620
Katmai National Park
Quaternary 10: 1594-1620
Kenai Peninsula
earthquakes 9: 1414-1429
Kennedy Drift
stratigraphy 10: 1496-1506
Kern County California
geochemistry 8: 1264-1279
Kerry Ireland
Quaternary 12: 1834-1849
kettles
Russian Federation, Quaternary 7: 1106-1118
Key Largo Limestone
Quaternary 2: 267-277
Khumbu Himalayas
Quaternary 10: 1621-1632
Khutia Kola Nepal
stratigraphy 3: 424-434
Kiaman Superchron
paleomagnetism 9: 1315-1341
Kissimmee River
geomorphology 6: 884-899
Koryak Range
Quaternary 7: 1106-1118
Kunlun Mountains
structural geology 1: 61-74
La Paz County Arizona
fluvial features 5: 727-735
Labrador Sea
stratigraphy 9: 1342-1355
lacustrine environment *see* fluviolacustrine environment
lacustrine features *see* lakes
lacustrine sediments *see* lake sediments
Ladakh
geochemistry 3: 450-466
lahars
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
New Zealand, Quaternary 7: 1149-1152
Lake Agassiz
Manitoba 6: 943-958
Lake Aylmer Pluton
metamorphism 1: 136-146
Lake Kinneret *see* Sea of Galilee
Lake Michigan Lobe
Mississippi Valley, Quaternary 10: 1475-1495
lake sediments
Arkansas, Quaternary 4: 579-590
Manitoba, Quaternary 6: 943-958
New Mexico, Quaternary 9: 1444-1458
Lake Tahoe
lacustrine features 5: 736-746
Lake Tiberias *see* Sea of Galilee
lake-level changes
Colorado Plateau, Quaternary 1: 147-158
Israel, hydrogeology 11: 1694-1702
Manitoba, Quaternary 6: 943-958
New Mexico, Quaternary 9: 1444-1458
lakes *see also* limnology
Arkansas 4: 579-590
land reclamation *see* reclamation
land use
Puerto Rico, geomorphology 12: 1763-1777
Washington, geomorphology 4: 591-599
Lane County Oregon
fluvial features 12: 1814-1824
Laramide Orogeny
Alaska, Tertiary 7: 1023-1042
New Mexico, tectonics 5: 783-798
last glacial maximum
Nepal, Quaternary 10: 1621-1632
New Mexico, Quaternary 9: 1444-1458
Northwest Territories, Quaternary 8: 1296-1312
Russian Federation, Quaternary 7: 1106-1118
lateral faults *see also* left-lateral faults; right-lateral faults
China 3: 413-423
Laurentia
Appalachians, Silurian 7: 982-996
New York, structural geology 10: 1522-1530
Quebec
petrology 6: 915-928

stratigraphy 1: 4-20
Texas, Proterozoic 7: 1134-1148
Laurentide ice sheet *see also* Des Moines Lobe; Lake Michigan Lobe
Northwest Territories, Quaternary 8: 1296-1312
Ontario, Quaternary 1: 98-118
lead
Pb-206/Pb-204
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
Nevada 5: 764-782
New Mexico 10: 1582-1593
Utah 5: 764-782
Yukon Territory 7: 1119-1133
Pb-207/Pb-204
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
New Mexico 10: 1582-1593
Yukon Territory 7: 1119-1133
Pb-207/Pb-206, Pacific region 4: 611-627
Pb-208/Pb-204
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
New Mexico 10: 1582-1593
Yukon Territory 7: 1119-1133
lead-lead *see* Pb/Pb
lead-zinc deposits *see also* mississippi valley-type deposits
Pakistan 3: 478-489
left-lateral faults
California 7: 1080-1090
Quaternary 10: 1559-1581
China 1: 61-74
Leg 166 *see* Straits of Florida
lehm *see* loess
Lesser Himalayan Series
geochemistry 3: 467-477
leucogranite
Nevada 1: 45-60
Lewis County New York
structural geology 10: 1522-1530
limestone
Florida, Quaternary 2: 267-277
France, Eocene 4: 515-530
Italy, paleomagnetism 9: 1430-1443
Mexico
stratigraphy 5: 799-800
tectonophysics 4: 540-549
limnology
California, lacustrine features 5: 736-746
Israel, hydrogeology 11: 1694-1702
Nevada, lacustrine features 5: 736-746
Limon Costa Rica
stratigraphy 7: 963-981
Limon Group
stratigraphy 7: 963-981
lineation *see* foliation
lineations *see* lineation
liquefaction
Arkansas, neotectonics 11: 1724-1735
liquid inclusions *see* fluid inclusions
listric faults
California 7: 1067-1079
lithogeochemistry *see also* sedimentary rocks
Alaska, Tertiary 7: 1023-1042
Arkansas 7: 1012-1022
British Columbia 7: 1119-1133
petrology 8: 1280-1295
California 8: 1264-1279
Canadian Shield 6: 900-914
Guatemala, Quaternary 8: 1234-1249
India 3: 450-466; 3: 467-477
Mexico 4: 600-610
Quaternary 8: 1234-1249
New Mexico 10: 1582-1593
Nova Scotia 7: 997-1011
Oklahoma 7: 1012-1022
Yukon Territory 7: 1119-1133
petrology 8: 1280-1295
Lithoprobe
British Columbia
geochemistry 7: 1119-1133
petrology 8: 1280-1295
Yukon Territory
geochemistry 7: 1119-1133
petrology 8: 1280-1295
lithostratigraphy
Alaska 7: 1023-1042
Alberta 10: 1496-1506
California, Quaternary 10: 1559-1581
Colorado 12: 1787-1803
Egypt, tectonics 12: 1877-1899
France 4: 515-530
India
geochemistry 3: 467-477
structural geology 3: 435-449
Manitoba, Quaternary 6: 943-958
Mexico 2: 177-199; 4: 600-610; 5: 799-800
Montana 10: 1496-1506
Oregon 5: 668-682
Quebec 1: 4-20
Spain 12: 1787-1803
structural geology 9: 1398-1413
Little Ice Age *see* Neoglacial
Llano County Texas
Proterozoic 2: 278-291
Llano Uplift
Proterozoic 2: 278-291
lobes, glacial *see* glacial lobes
loess
Arkansas, Quaternary 2: 221-235
China, Quaternary 3: 375-393
Mississippi Valley, Quaternary 10: 1475-1495
Missouri, Quaternary 2: 221-235
Longmen Shan
geomorphology 3: 490-503
Quaternary 3: 375-393
Loreto Basin
Pliocene 2: 177-199
Los Angeles Basin
geologic hazards 5: 693-707
Neogene 8: 1155-1178
Los Angeles California
geologic hazards 5: 693-707
Quaternary 10: 1559-1581
sedimentary petrology 11: 1635-1649
Los Angeles County California
Neogene 8: 1155-1178
structural geology 7: 1067-1079
low-angle faults
California 6: 871-883
Switzerland 1: 21-33
low-grade metamorphism
Spain, structural geology 9: 1398-1413
Lower Cretaceous *see* Albian; Aptian; Barremian; Bisbee Group
lower crust
China, Quaternary 3: 375-393
lower Eocene *see* Wasatchian
lower Miocene *see* Kasauli Series
Lower Mississippi Valley
Quaternary 2: 221-235
lower Neogene *see* Miocene
lower Precambrian *see* Archean
Lower Triassic *see* Permian-Triassic boundary
Luna County New Mexico
geochemistry 10: 1582-1593
macerals *see* vitrinite
Macgillycuddy's Reeks
Quaternary 12: 1834-1849
Madera County California
structural geology 7: 1043-1058
mafic magmas
Canadian Shield, geochemistry 6: 900-914
Magdalen Basin
geochemistry 7: 997-1011
magma chambers
Alaska, Quaternary 10: 1594-1620
British Columbia, structural geology 5: 708-719
California, magmas 1: 119-135
magma contamination
California, geochemistry 8: 1264-1279
magma reservoir *see* magma chambers
magma transport
British Columbia, structural geology 5: 708-719
magmas *see also* magma chambers; magmatic differentiation
British Columbia 8: 1280-1295
geochemistry 7: 1119-1133
Guatemala, Quaternary 8: 1234-1249
mafic magmas, Canadian Shield 6: 900-914
Mexico 4: 600-610
Quaternary 8: 1234-1249
New Mexico, geochemistry 10: 1582-1593
Yukon Territory 8: 1280-1295
geochemistry 7: 1119-1133
magmatic differentiation
Alaska, Quaternary 10: 1594-1620
magmatism
British Columbia
geochemistry 7: 1119-1133
petrology 8: 1280-1295
California, magmas 1: 119-135
metamorphism 5: 747-763
Mexico 4: 600-610
New Mexico, geochemistry 10: 1582-1593
Pacific region, tectonophysics 4: 611-627
Yukon Territory
geochemistry 7: 1119-1133
petrology 8: 1280-1295
magnetic anomalies
Atlantic Coastal Plain, geomorphology 2: 200-220
Oregon, neotectonics 8: 1225-1233
magnetic declination
Italy, paleomagnetism 9: 1430-1443
magnetic field
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
magnetic inclination
Canada, structural geology 6: 929-942
Italy, paleomagnetism 9: 1430-1443
magnetic iron ore *see* magnetite
magnetic methods *see also* magnetic anomalies
metal ores 3: 478-489
magnetic minerals
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
magnetic susceptibility
California, magmas 1: 119-135
Mississippi Valley, Quaternary 10: 1475-1495
magnetism, paleo- *see* paleomagnetism
magnetite
Canada, structural geology 6: 929-942
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
magnetization *see* remanent magnetization

magnetostratigraphy
Argentina
Miocene 11: 1736-1751
Neogene 6: 803-816
India 3: 394-412
Italy, paleomagnetism 9: 1430-1443
Mexico, tectonophysics 4: 540-549
Nepal 3: 424-434
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
Main Boundary Fault
stratigraphy 3: 394-412
Main Central Thrust
geochemistry 3: 467-477
Maine
geochemistry 6: 900-914
Malheur County Oregon
Miocene 5: 668-682
Mandibulata *see* Crustacea
manganese ores
Pakistan 3: 478-489
manganese oxides
Arkansas, geochemistry 7: 1012-1022
Oklahoma, geochemistry 7: 1012-1022
Manila High
Quaternary 4: 579-590
Manitoba *see* Lake Agassiz
mantle
California, geochemistry 8: 1264-1279
Switzerland, deformation 1: 21-33
mantle plumes
Ethiopia, plate tectonics 2: 163-176
maps
geologic maps, Nevada 1: 45-60; 9: 1375-1397
margin, continental *see* continental margin
Maricopa County Arizona
fluvial features 5: 727-735
Marie Byrd Land
tectonophysics 4: 611-627
marine sedimentation *see also* glaciomarine sedimentation
Atlantic Ocean 6: 829-844
Iceland, Quaternary 10: 1507-1521
marine sediments
Atlantic Ocean 6: 829-844
Iceland, Quaternary 10: 1507-1521
Italy, Quaternary 10: 1531-1542
New Jersey 6: 817-828
marine terraces
Florida 12: 1804-1813
marine transport
New Jersey 6: 817-828
Mariposa County California
structural geology 7: 1043-1058
Maritime Provinces *see* Nova Scotia
marl
Manitoba, Quaternary 6: 943-958
mass movements *see* debris avalanches; debris flows; lahars; rockfalls
massive sulfide deposits
Pakistan, metal ores 3: 478-489
Matapedia Group 1: 4-20
Mattagami Formation
stratigraphy 9: 1342-1355
Matuyama Chron
Alberta 10: 1496-1506
Montana 10: 1496-1506
mechanical erosion *see* abrasion
Mediterranean Sea *see also* West Mediterranean
Quaternary, Gulf of Pozzuoli 10: 1531-1542
Meguma Terrane
geochemistry 7: 997-1011
Mendocino (Cape) *see* Cape Mendocino
Mendocino County California
fluvial features 8: 1250-1263
Mendocino fracture zone
fluvial features 8: 1250-1263
structural geology 1: 34-44
Mendoza Argentina
Neogene 6: 803-816
Mesozoic *see also* Cretaceous; Jurassic
California 7: 1043-1058
Franciscan Complex, deformation 11: 1703-1723
Great Valley Sequence, deformation 11: 1703-1723
Pakistan 3: 364-374
meta-ophiolite *see* ophiolite
meta-turbidite *see* turbidite
metaigneous rocks
Texas, Proterozoic 2: 278-291
metal ores *see also* chromite ores; copper ores; lead-zinc deposits; manganese ores
Nevada 5: 764-782
Utah 5: 764-782
metals *see* alkaline earth metals
metamorphic core complexes
Arizona, fluvial features 5: 727-735
California, structural geology 1: 34-44
Idaho 9: 1356-1374
Nevada, metamorphism 1: 45-60
metamorphic processes *see* metamorphism
metamorphic rocks *see also* metasomatic rocks
British Columbia, structural geology 5: 708-719
cataclasites, Switzerland 1: 21-33
gneisses, Texas 2: 278-291
metaigneous rocks, Texas 2: 278-291
metapelite, Nevada 1: 45-60
metasedimentary rocks
Appalachians 7: 982-996
India 3: 467-477
Texas 7: 1134-1148
metavolcanic rocks
California 7: 1043-1058
Texas 7: 1134-1148
migmatites, Pacific region 4: 611-627
mylonites
France 8: 1199-1208
Wyoming 4: 564-578
New York, structural geology 10: 1522-1530
orthogneiss 5: 747-763
phyllites
California 7: 1059-1066
Texas 7: 1134-1148
quartzites, Texas 7: 1134-1148
schists
California 7: 1059-1066
New Zealand 2: 250-266
Texas 2: 278-291
slates, California 7: 1059-1066
Spain, structural geology 9: 1398-1413
metamorphism *see also* greenschist facies; P-T-t paths 5: 747-763
contact metamorphism, British Columbia 5: 708-719
Idaho 9: 1356-1374
low-grade metamorphism, Spain 9: 1398-1413
Quebec 1: 136-146
regional metamorphism, Spain 9: 1398-1413
thermal metamorphism, Alaska 4: 550-563
Wyoming, structural geology 4: 564-578
Metan Subgroup
Miocene 11: 1736-1751
metapelite
Nevada 1: 45-60
metasedimentary rocks
Appalachians, Silurian 7: 982-996
India, geochemistry 3: 467-477
Texas, Proterozoic 7: 1134-1148
metasomatic rocks
skarn
Nevada 5: 764-782
Utah 5: 764-782
metasomatism
albitization, California 6: 845-856
hydrothermal alteration
Nevada 5: 764-782
Pakistan 3: 478-489
Utah 5: 764-782
zeolitization, Alaska 4: 550-563
metaturbidite *see* turbidite
metavolcanic rocks
California, structural geology 7: 1043-1058
Texas, Proterozoic 7: 1134-1148
methane
Antarctica, stratigraphy 9: 1459-1472
Mexico
areal geology, Sonora Mexico 4: 600-610
Pliocene, Baja California Sur Mexico 2: 177-199
Quaternary, Chiapas Mexico 8: 1234-1249
stratigraphy, Coahuila Mexico 5: 799-800
structural geology, Baja California Norte Mexico 6: 857-870
tectonophysics, Baja California Sur Mexico 4: 540-549
mica group *see* biotite; muscovite
microfossils *see* Conodonta
Midcontinent *see* Missouri; Tennessee
Middle East *see also* Israel
hydrogeology, Dead Sea Rift 11: 1694-1702
Middle Jurassic *see* Bajocian
Midwest *see* Mississippi Valley
migmatites
Pacific region, tectonophysics 4: 611-627
Min Shan
Quaternary 3: 375-393
mineral deposits, genesis *see* exhalative processes; geochemical controls; hydrothermal alteration; mississippi valley-type deposits; ore-forming fluids
mineral sequence *see* paragenesis
mineralogy *see* carbonates
Miocene *see also* Monterey Formation
Argentina 11: 1736-1751
California 8: 1264-1279
Egypt 12: 1877-1899
Kasauli Series, structural geology 3: 435-449
Mexico 6: 857-870
New Jersey 6: 817-828
Oregon 5: 668-682; 8: 1209-1224
Stevens Sandstone, diagenesis 6: 845-856
miogeosynclines
Alberta, geochemistry 4: 531-539
miospores *see* pollen
mires *see* fens
mirrorstone *see* muscovite
Mississippi
Eocene, Clarke County Mississippi 4: 628-640
Mississippi County Arkansas
Quaternary 4: 579-590
Mississippi Embayment
neotectonics 11: 1724-1735
Mississippi River
Quaternary 2: 221-235
Mississippi Valley *see also* Arkansas; Mississippi Embayment; Missouri; Reelfoot Rift; Tennessee
Quaternary 4: 579-590; 10: 1475-1495
Lower Mississippi Valley 2: 221-235
mississippi valley-type deposits
Missouri, lead-zinc deposits 11: 1680-1693
Tennessee, lead-zinc deposits 11: 1680-1693

Mississippian
Stanley Group, geochemistry 7: 1012-1022
Missouri *see* Mississippi River; Reelfoot Rift
Mojave Desert
geochemistry 8: 1264-1279
sedimentary petrology 11: 1635-1649
structural geology 1: 34-44
Mollusca
Costa Rica, stratigraphy 7: 963-981
Gastropoda
United Kingdom 4: 628-640
United States 4: 628-640
monazite
Arkansas, geochemistry 7: 1012-1022
Oklahoma, geochemistry 7: 1012-1022
Mono County California
structural geology 7: 1059-1066
monoclines
California 1: 86-97; 11: 1703-1723
Egypt 12: 1877-1899
Monroe County Florida *see* Florida Keys
Montana
stratigraphy, Glacier County Montana 10: 1496-1506
Monterey County California
geologic hazards 2: 236-249
Monterey Formation
petroleum 11: 1667-1679
monzonites
British Columbia, geochemistry 7: 1119-1133
Yukon Territory, geochemistry 7: 1119-1133
Moose River basin
stratigraphy 9: 1342-1355
morainal plains *see* outwash plains
moraines
California, lacustrine features 5: 736-746
Nepal, Quaternary 10: 1621-1632
Nevada, lacustrine features 5: 736-746
Northwest Territories, Quaternary 8: 1296-1312
Russian Federation, Quaternary 7: 1106-1118
moscovite *see* muscovite
Mount Angel Fault
neotectonics 8: 1225-1233
Mount Everest
Quaternary 10: 1621-1632
Mount Givens Pluton
magmas 1: 119-135
mudstone
Arkansas, geochemistry 7: 1012-1022
California, petroleum 11: 1667-1679
Egypt, tectonics 12: 1877-1899
India, structural geology 3: 435-449
New Mexico 5: 643-656
Oklahoma, geochemistry 7: 1012-1022
Ontario, stratigraphy 9: 1342-1355
Multnomah County Oregon *see* Portland Oregon
Munsiari Group
geochemistry 3: 467-477
Murcia Spain *see* Caravaca Spain
muscovite
California, structural geology 7: 1059-1066
New Zealand, geochronology 2: 250-266
Quebec, metamorphism 1: 136-146
MVT-type deposits *see* mississippi valley-type deposits
mylonites
France, fractures 8: 1199-1208
Wyoming, structural geology 4: 564-578
Nagssugtoqidian Orogeny
metamorphism 5: 747-763
Namurian
New South Wales Australia 9: 1315-1341
Nova Scotia 9: 1315-1341
nannofossils
Italy, paleomagnetism 9: 1430-1443
nappes
Pakistan, structural geology 3: 364-374
Nd-144/Nd-143
Alberta, geochemistry 4: 531-539
British Columbia, geochemistry 7: 1119-1133
California, geochemistry 8: 1264-1279
India, geochemistry 3: 450-466; 3: 467-477
New Mexico, geochemistry 10: 1582-1593
Nova Scotia, geochemistry 7: 997-1011
Yukon Territory, geochemistry 7: 1119-1133
neodymium
Nd-144/Nd-143
Alberta 4: 531-539
British Columbia 7: 1119-1133
California 8: 1264-1279
India 3: 450-466; 3: 467-477
New Mexico 10: 1582-1593
Nova Scotia 7: 997-1011
Yukon Territory 7: 1119-1133
Neogene *see also* Miocene; Pliocene
Argentina 6: 803-816
Atlantic Ocean 6: 829-844
British Columbia 8: 1280-1295
California 8: 1155-1178
India 3: 394-412
Monterey Formation, petroleum 11: 1667-1679
Nepal 3: 424-434
Yukon Territory 8: 1280-1295
Neoglacial
Colorado Plateau 1: 147-158
Neoproterozoic *see* Walden Creek Group
neotectonics *see also* faults; folds; geomorphologic effects; uplifts
Alaska, earthquakes 9: 1414-1429
Arizona, fluvial features 5: 727-735
Arkansas 11: 1724-1735
Atlantic Coastal Plain, geomorphology 2: 200-220
California 6: 871-883
fluvial features 8: 1250-1263
Quaternary 10: 1559-1581
China 3: 413-423
Oregon 8: 1225-1233
Nepal *see also* Mount Everest
stratigraphy 3: 424-434
nephelinite
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
nesosilicates *see* garnet group; zircon
Neuquen Basin
Jurassic 11: 1650-1666
Nevada *see also* Great Basin
lacustrine features
Douglas County Nevada 5: 736-746
Washoe County Nevada 5: 736-746
metamorphism, East Humboldt Range 1: 45-60
structural geology
Clark County Nevada 9: 1375-1397
Egan Range 9: 1375-1397
New England
geochemistry 6: 900-914
New England Orogeny
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
New Hampshire *see* Connecticut Valley
New Jersey 6: 817-828
New Madrid earthquakes 1811-1812
Arkansas, Quaternary 4: 579-590
New Madrid Seismic Zone *see* New Madrid region
New Mexico *see also* Rio Grande Rift
geochemistry
Dona Ana County New Mexico 10: 1582-1593
Luna County New Mexico 10: 1582-1593
Quaternary, Torrance County New Mexico 9: 1444-1458
sedimentary petrology, Sierra County New Mexico 5: 643-656
New South Wales Australia
paleomagnetism, Tamworth Australia 9: 1315-1341
New York
structural geology
Adirondack Mountains 10: 1522-1530
Jefferson County New York 10: 1522-1530
Lewis County New York 10: 1522-1530
Saint Lawrence County New York 10: 1522-1530
New Zealand *see also* Alpine Fault; Fox Glacier; South Island
geologic hazards, Ruapehu 5: 720-726
Quaternary, Ruapehu 7: 1149-1152
normal faults
Arizona, fluvial features 5: 727-735
California 1: 34-44; 6: 871-883; 11: 1703-1723
Egypt 12: 1877-1899
Idaho 9: 1356-1374
Israel, geomorphology 12: 1864-1876
Nevada 9: 1375-1397
North Africa *see* Egypt
North America *see also* Appalachians; Basin and Range Province; Canadian Shield; Western Interior
areal geology, Purcell Mountains 9: 1356-1374
geochemistry
Omineca Belt 7: 1119-1133
Rio Grande Rift 10: 1582-1593
Western Canada Basin 4: 531-539
petrology 8: 1280-1295
sedimentary petrology, Rio Grande Rift 5: 643-656
stratigraphy, Glacier National Park 10: 1496-1506
structural geology
Coast plutonic complex 5: 708-719
Rocky Mountains foreland 6: 929-942
tectonics, Rio Grande Rift 5: 783-798
North American Cordillera *see* Canadian Cordillera
Alaska, earthquakes 9: 1414-1429
California, structural geology 1: 34-44
Mexico, tectonophysics 4: 540-549
North Atlantic *see* Great Bahama Bank; Labrador Sea; Straits of Florida
North Carolina *see also* Blue Ridge Province; Great Smoky Mountains; Ocoee Supergroup; Walden Creek Group
geomorphology 2: 200-220
North Central (United States) *see* Midwest
North Island
geologic hazards 5: 720-726
Quaternary 7: 1149-1152
North Pacific *see* Northeast Pacific
North-Central (United States) *see* Midwest
North-West Frontier Pakistan
structural geology 3: 364-374
Northeast Pacific *see* Cascadia Basin; Gulf of California; Mendocino fracture zone
Northwest Territories
Quaternary
Arctic Archipelago 8: 1296-1312
Baffin Island 8: 1296-1312
Nova Scotia *see also* Horton Group; Meguma Terrane
paleomagnetism 9: 1315-1341
Novarupta
Quaternary 10: 1594-1620

Nunavut
Quaternary 8: 1296-1312
O-18/O-16
British Columbia, geochemistry 7: 1119-1133
Canadian Shield, geochemistry 6: 900-914
Italy, stratigraphy 2: 308-319
Missouri, lead-zinc deposits 11: 1680-1693
New Mexico, sedimentary petrology 5: 643-656
Spain, stratigraphy 2: 308-319
Switzerland, deformation 1: 21-33
Tennessee, lead-zinc deposits 11: 1680-1693
United Kingdom, Eocene 4: 628-640
United States, Eocene 4: 628-640
Yukon Territory, geochemistry 7: 1119-1133
Oak Ridge Fault
folds 7: 1080-1090
obduction
Pakistan, structural geology 3: 364-374
Quebec, petrology 6: 915-928
oblique-slip faults
New Mexico 5: 783-798
ocean circulation
Antarctica 5: 657-667
ocean crust *see* oceanic crust
ocean currents
Atlantic Ocean 6: 829-844
Ocean Drilling Program *see* Leg 166
ocean floors *see* bottom features; continental margin; continental slope; submarine canyons
ocean waves
California, geologic hazards 2: 236-249
ocean-floor spreading *see* sea-floor spreading
oceanic crust
Quebec, petrology 6: 915-928
oceanography *see* continental margin; continental shelf; continental slope; ocean circulation; ocean floors; ocean waves; reefs; sea water; sedimentation; sediments
Ocoee Supergroup *see* Walden Creek Group
octahedral iron ore *see* magnetite
oil and gas *see* petroleum
Okeechobee County Florida
geomorphology 6: 884-899
Oklahoma *see* Ouachita Mountains; Stanley Group
Oligocene *see also* Sespe Formation
Colorado 12: 1787-1803
Egypt 12: 1877-1899
Spain 12: 1787-1803
olistoliths
Appalachians, Silurian 7: 982-996
Omineca Belt
geochemistry 7: 1119-1133
Ontario
Quaternary 1: 98-118
stratigraphy, Moose River basin 9: 1342-1355
ooze
Atlantic Ocean 6: 829-844
ophiolite
California, deformation 11: 1703-1723
Pakistan
metal ores 3: 478-489
structural geology 3: 364-374
Quebec, petrology 6: 915-928
Orange County California
Neogene 8: 1155-1178
Ordovician
Quebec 1: 136-146; 6: 915-928
ore-forming fluids
Missouri, lead-zinc deposits 11: 1680-1693
Tennessee, lead-zinc deposits 11: 1680-1693
Oregon
fluvial features, Lane County Oregon 12: 1814-1824
Miocene 8: 1209-1224
Malheur County Oregon 5: 668-682
neotectonics
Clackamas County Oregon 8: 1225-1233
Portland Oregon 8: 1225-1233
Willamette Valley 8: 1225-1233
Yamhill County Oregon 8: 1225-1233
organic carbon
Antarctica, stratigraphy 9: 1459-1472
organic compounds *see* hydrocarbons
orogenesis *see* orogeny
orogenic belts
China, structural geology 3: 324-350
Idaho 9: 1356-1374
New Zealand, geochronology 2: 250-266
orogeny *see also* Acadian Phase; Andean Orogeny; Antler Orogeny; Cadomian Orogeny; Cordilleran Orogeny; Hercynian Orogeny; Himalayan Orogeny; Laramide Orogeny
China, Quaternary 3: 375-393
metamorphism 5: 747-763
New York 10: 1522-1530
Pakistan, metal ores 3: 478-489
orthogneiss 5: 747-763
orthoquartzite
California 11: 1635-1649
orthosilicates *see* nesosilicates
Osceola County Florida
geomorphology 6: 884-899
Ossa-Morena Zone
structural geology 9: 1398-1413
Ostracoda
Appalachians, Silurian 7: 982-996
New Mexico, Quaternary 9: 1444-1458
Ouachita Mountains
geochemistry 7: 1012-1022
outwash plains
Russian Federation, Quaternary 7: 1106-1118
overthrust faults
Alaska, Tertiary 7: 1023-1042
overturned folds
California 1: 34-44
overwash plain *see* outwash plains
oxides *see* chromite; hematite; magnetite; manganese oxides
oxygen
O-18/O-16
British Columbia 7: 1119-1133
Canadian Shield 6: 900-914
Italy 2: 308-319
Missouri 11: 1680-1693
New Mexico 5: 643-656
Spain 2: 308-319
Switzerland 1: 21-33
Tennessee 11: 1680-1693
United Kingdom 4: 628-640
United States 4: 628-640
Yukon Territory 7: 1119-1133
P-T boundary (age) *see* Permian-Triassic boundary
P-T-t paths
Nevada, metamorphism 1: 45-60
P-T boundary (age) *see* Permian-Triassic boundary
Pacific County Washington *see* Willapa Bay
Pacific Ocean *see also* East Pacific; North Pacific
fluvial features, Mendocino fracture zone 8: 1250-1263
folds 7: 1080-1090
Miocene, Cascadia Basin 8: 1209-1224
structural geology, Mendocino fracture zone 1: 34-44
Pacific Plate
Alaska, earthquakes 9: 1414-1429
British Columbia, petrology 8: 1280-1295
Mexico, tectonophysics 4: 540-549
Yukon Territory, petrology 8: 1280-1295
Pacific region
tectonophysics 4: 611-627
Pakistan *see also* Karakoram
geomorphology 3: 490-503
salt tectonics, Salt Range 3: 351-363
structural geology, North-West Frontier Pakistan 3: 364-374
paleo-oceanography
Alberta 8: 1179-1198
California 8: 1155-1178
United Kingdom 4: 628-640
United States 4: 628-640
paleobotany *see* algae; palynomorphs; Plantae
Paleocene
Tiffanian, Wyoming 2: 292-307
paleoclimatology *see also* C-13/C-12; glaciation; last glacial maximum; O-18/O-16
Chile, neotectonics 7: 1091-1105
Colombia, neotectonics 7: 1091-1105
Colorado Plateau, Quaternary 1: 147-158
Ireland, Quaternary 12: 1834-1849
Wyoming 2: 292-307
paleoearthquakes *see* paleoseismicity
paleoecology
Alberta 8: 1179-1198
Costa Rica 7: 963-981
Manitoba, Quaternary 6: 943-958
United Kingdom 4: 628-640
United States 4: 628-640
Wyoming 2: 292-307
paleofloods
Colorado Plateau, Quaternary 1: 147-158
Paleogene *see also* Eocene; Oligocene; Paleocene
Sespe Formation 8: 1155-1178
sedimentary petrology 11: 1635-1649
Wasatch Formation 2: 292-307; 12: 1787-1803
paleogeography *see also* basins; continental drift; geosynclines; sea-level changes; transgression
Alaska 7: 1023-1042
Arkansas, Quaternary 4: 579-590
California, sedimentary petrology 11: 1635-1649
Chile, neotectonics 7: 1091-1105
Colombia, neotectonics 7: 1091-1105
Colorado 12: 1787-1803
India 3: 394-412
structural geology 3: 435-449
New Mexico
sedimentary petrology 5: 643-656
tectonics 5: 783-798
Russian Federation, Quaternary 7: 1106-1118
Spain 12: 1787-1803
paleolimnology
Colorado Plateau, Quaternary 1: 147-158
Manitoba, Quaternary 6: 943-958
New Mexico, Quaternary 9: 1444-1458
paleomagnetism *see also* chemical remanent magnetization; magnetic declination; magnetic field; magnetic inclination; magnetic susceptibility; magnetostratigraphy; pole positions; remanent magnetization; sea-floor spreading
Alberta 10: 1496-1506
Costa Rica 7: 963-981
Mexico, structural geology 6: 857-870
Montana 10: 1496-1506
paleontology *see* Bryozoa; Conodonta; Foraminifera; Mollusca; Ostracoda; Trilobita
paleorelief
Alberta 8: 1179-1198
France 4: 515-530
paleoseismicity
Alaska, earthquakes 9: 1414-1429
Arkansas, neotectonics 11: 1724-1735
California, Quaternary 10: 1559-1581

Paleosols
Alberta, stratigraphy 10: 1496-1506
Antarctica, stratigraphy 9: 1459-1472
California, Quaternary 10: 1559-1581
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
Montana, stratigraphy 10: 1496-1506
New Mexico, sedimentary petrology 5: 643-656
Ontario, stratigraphy 9: 1342-1355
paleotopography *see* paleorelief
Paleozoic *see also* Carboniferous; Devonian; Ordovician; Silurian
Acadian Phase
Nova Scotia 7: 997-1011
Quebec 1: 4-20; 1: 136-146
Antler Orogeny, Alberta 4: 531-539
Caledonian Orogeny, Ireland 10: 1543-1558
Horton Group, geochemistry 7: 997-1011
India 3: 467-477
Matapedia Group 1: 4-20
Pacific region 4: 611-627
Spain 9: 1398-1413
Taconic Orogeny, Quebec 1: 4-20
Palmer Peninsula *see* Antarctic Peninsula
Palomas Basin
sedimentary petrology 5: 643-656
palynomorphs
Dinoflagellata
Alberta 8: 1179-1198
California 8: 1155-1178
Ontario 9: 1342-1355
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
pollen, Ireland 12: 1834-1849
Panamint Range
neotectonics 6: 871-883
paragenesis
Missouri, lead-zinc deposits 11: 1680-1693
Tennessee, lead-zinc deposits 11: 1680-1693
parasequences
Mexico, Pliocene 2: 177-199
passive margins
Alaska, Tertiary 7: 1023-1042
Pb-204/Pb-208 *see* Pb-208/Pb-204
Pb-206 Pb-207 *see* Pb-207/Pb-206
Pb-206/Pb-204
British Columbia, geochemistry 7: 1119-1133
California, geochemistry 8: 1264-1279
France, fractures 8: 1199-1208
Nevada, metal ores 5: 764-782
New Mexico, geochemistry 10: 1582-1593
Utah, metal ores 5: 764-782
Yukon Territory, geochemistry 7: 1119-1133
Pb-206/Pb-207 *see* Pb-207/Pb-206
Pb-207/Pb-204
British Columbia, geochemistry 7: 1119-1133
California, geochemistry 8: 1264-1279
France, fractures 8: 1199-1208
New Mexico, geochemistry 10: 1582-1593
Yukon Territory, geochemistry 7: 1119-1133
Pb-207/Pb-206
Pacific region, tectonophysics 4: 611-627
Pb-208/Pb-204
British Columbia, geochemistry 7: 1119-1133
California, geochemistry 8: 1264-1279
France, fractures 8: 1199-1208
New Mexico, geochemistry 10: 1582-1593
Yukon Territory, geochemistry 7: 1119-1133
Pb/Pb
Nevada, metamorphism 1: 45-60
peat
Ireland, Quaternary 12: 1834-1849
pedogenesis
New Mexico, sedimentary petrology 5: 643-656
pelite *see* shale
pelitic schist *see* slates
Pelmatozoa *see* Crinozoa
Peoria Loess
Quaternary 10: 1475-1495
Permian
Permian-Triassic boundary, Antarctica 9: 1459-1472
Permian-Triassic boundary
Antarctica 9: 1459-1472
Perugia Italy *see* Gubbio Italy
petrofabrics
California, magmas 1: 119-135
petrogeometry *see* structural analysis
petroleum *see also* petroleum exploration
Alaska, structural geology 4: 550-563
California 11: 1667-1679
petroleum exploration
Ontario, Quaternary 1: 98-118
petrology *see* fluid inclusions; igneous rocks; intrusions; metamorphic rocks; metamorphism; volcanism
petromorphology *see* structural analysis
petrostratigraphy *see* lithostratigraphy
phase equilibria *see* magmas
phonolites
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
phosphates *see* monazite
phyllites
California, structural geology 7: 1059-1066
Texas, Proterozoic 7: 1134-1148
piercing fold *see* diapirs
Pima County Arizona
fluvial features 5: 727-735
pinchouts *see* stratigraphic wedges
piracy *see* stream capture
Placer County California
lacustrine features 5: 736-746
plagiogranite
Quebec 6: 915-928
planar bedding structures *see* bedding
Plantae *see also* algae; palynomorphs
Wyoming, stratigraphy 2: 292-307
plate collision
Alaska
earthquakes 9: 1414-1429
Tertiary 7: 1023-1042
India, structural geology 3: 435-449
Pakistan, structural geology 3: 364-374
Quebec
metamorphism 1: 136-146
stratigraphy 1: 4-20
plate convergence
Pacific region, tectonophysics 4: 611-627
Quebec, metamorphism 1: 136-146
plate divergence
Mexico, structural geology 6: 857-870
plate tectonics *see also* accretionary wedges; Cascadia subduction zone; compression tectonics; continental crust; continental drift; continental margin; crustal shortening; earthquakes; extension tectonics; fault zones; fore-arc basins; island arcs; mantle plumes; metamorphic core complexes; North American Plate; obduction; Pacific Plate; passive margins; plate collision; plate convergence; rift zones; sea-floor spreading; seismotectonics; subduction; subduction zones; suture zones; terranes; transpression; triple junctions
Mexico, Pliocene 2: 177-199
Ontario, stratigraphy 9: 1342-1355
Texas, Proterozoic 7: 1134-1148
plateau basalts *see* flood basalts
Pleistocene
Costa Rica 7: 963-981
Florida 12: 1804-1813
Illinoian
Arkansas 2: 221-235
Missouri 2: 221-235
Israel 11: 1694-1702
Key Largo Limestone, Quaternary 2: 267-277
Lake Agassiz, Manitoba 6: 943-958
New Mexico 5: 643-656; 9: 1444-1458
Ontario 1: 98-118
Peoria Loess, Quaternary 10: 1475-1495
Roxana Silt, Quaternary 10: 1475-1495
Russian Federation 7: 1106-1118
Wisconsinan
Arkansas 2: 221-235
British Columbia 12: 1850-1863
Mississippi Valley 10: 1475-1495
Missouri 2: 221-235
Northwest Territories 8: 1296-1312
pleniglacial, last *see* last glacial maximum
plinian-type eruptions
Alaska, Quaternary 10: 1594-1620
Pliocene
Alaska 9: 1414-1429
California 7: 1067-1079
Costa Rica 7: 963-981
Florida 12: 1804-1813
Gauss Chron
Alberta 10: 1496-1506
Montana 10: 1496-1506
Mexico 2: 177-199; 4: 540-549
New Mexico 5: 643-656
New Zealand 2: 250-266
plutonic rocks *see* diorites; gabbros; granites; syenites
plutons
British Columbia, structural geology 5: 708-719
California 3: 504-511
structural geology 1: 34-44
Canadian Shield, geochemistry 6: 900-914
Ireland, structural geology 10: 1543-1558
Pacific region, tectonophysics 4: 611-627
Wyoming, structural geology 4: 564-578
pole positions
Canada, structural geology 6: 929-942
Italy, paleomagnetism 9: 1430-1443
Polk County Florida
geomorphology 6: 884-899
pollen
Ireland, Quaternary 12: 1834-1849
pollution
Ontario, Quaternary 1: 98-118
Polyzoa *see* Bryozoa
porphyry
Nevada, metal ores 5: 764-782
Utah, metal ores 5: 764-782
Portland Oregon
neotectonics 8: 1225-1233
positions, pole *see* pole positions
Postglacial *see* Holocene
potash mica *see* muscovite
potassium-argon *see* K/Ar
Potwar Plateau
salt tectonics 3: 351-363
Prealps
Eocene 4: 515-530
Precambrian *see also* Archean; upper Precambrian
Carrizo Mountain Formation 7: 1134-1148
Grenvillian Orogeny,
Texas 2: 278-291; 7: 1134-1148
Hazel Formation 7: 1134-1148
Stirling Quartzite, sedimentary petrology 11: 1635-1649

preferential flow
California, petroleum 11: 1667-1679
Priest River Complex
areal geology 9: 1356-1374
progradation
Mexico, Pliocene 2: 177-199
Prospect Mountain Quartzite *see* Stirling Quartzite
Proterozoic 5: 747-763
India 3: 467-477
New Mexico 5: 783-798
New York 10: 1522-1530
Spain 9: 1398-1413
Texas 2: 278-291; 7: 1134-1148
Walden Creek Group 7: 982-996
Protista
Foraminifera, Appalachians 7: 982-996
Textulariina, Alberta 8: 1179-1198
psammite *see* sandstone
PTt paths *see* P-T-t paths
public awareness
New Zealand, geologic hazards 5: 720-726
public lands
Alberta, stratigraphy 10: 1496-1506
Montana, stratigraphy 10: 1496-1506
Puertecitos volcanic province
structural geology 6: 857-870
Puerto Rico
geomorphology 12: 1763-1777
Puna
neotectonics 7: 1091-1105
Punjab Pakistan *see* Salt Range
Purcell Mountains
areal geology 9: 1356-1374
Purcell Trench
areal geology 9: 1356-1374
Pyrenees
fractures, French Pyrenees 8: 1199-1208
pyrite
Ontario, stratigraphy 9: 1342-1355
pyroclastic flows *see also* ash flows
Mexico, structural geology 6: 857-870
pyroclastics *see also* ignimbrite
Argentina, Neogene 6: 803-816
Qaidam Basin
structural geology 1: 61-74
Qilian Mountains
structural geology 1: 61-74
Qing Zang Gaoyuan *see* Qinghai-Xizang Plateau
Qinghai China
structural geology, Qaidam Basin 1: 61-74
Qinghai-Xizang Plateau
Quaternary 3: 375-393
structural geology 3: 413-423
Qomolangma Feng *see* Mount Everest
quantitative geomorphology
Israel 12: 1864-1876
Spain 12: 1825-1833
quartz monzonite
British Columbia, geochemistry 7: 1119-1133
Yukon Territory, geochemistry 7: 1119-1133
quartz veins
France, fractures 8: 1199-1208
Switzerland, deformation 1: 21-33
quartzites *see also* orthoquartzite
Texas, Proterozoic 7: 1134-1148
Quaternary *see also* Holocene; last glacial maximum; Pleistocene
Alaska 9: 1414-1429
Alberta 10: 1496-1506
Arkansas 11: 1724-1735
Atlantic Ocean 6: 829-844
British Columbia 8: 1280-1295
California 7: 1067-1079; 10: 1559-1581
China 3: 375-393
Italy 10: 1531-1542
Montana 10: 1496-1506
New Zealand 2: 250-266; 7: 1149-1152
Spain 12: 1825-1833
Yukon Territory 8: 1280-1295
Quebec
metamorphism, Sherbrooke County Quebec 1: 136-146
petrology, Thetford Mines 6: 915-928
stratigraphy, Gaspe Peninsula 1: 4-20
radioactive isotopes *see* Al-26; Be-10; Cl-36; Pb-206/Pb-204; Pb-207/Pb-204; Pb-208/Pb-204
radiocarbon dating *see* C-14
rafting, ice *see* ice rafting
rate of sedimentation *see* sedimentation rates
Rb/Sr
India, geochemistry 3: 467-477
Recent *see* Holocene
reclamation
Florida, geomorphology 6: 884-899
recumbent folds
Nevada, metamorphism 1: 45-60
recurrence interval
California
geologic hazards 5: 693-707
Quaternary 10: 1559-1581
Red Sea
tectonics, Gulf of Suez 12: 1877-1899
reefs
Quebec, stratigraphy 1: 4-20
Reelfoot Rift
lead-zinc deposits 11: 1680-1693
regional metamorphism
Spain, structural geology 9: 1398-1413
relief
California, geologic hazards 5: 693-707
China, Quaternary 3: 375-393
Spain, geomorphology 12: 1825-1833
remanent magnetization *see also* characteristic remanent magnetization; chemical remanent magnetization
Italy, paleomagnetism 9: 1430-1443
remote sensing
Arkansas, Quaternary 2: 221-235; 4: 579-590
Ethiopia, plate tectonics 2: 163-176
Missouri, Quaternary 2: 221-235
Oregon, neotectonics 8: 1225-1233
Pakistan, structural geology 3: 364-374
reverse faults
Arkansas 11: 1724-1735
California 1: 86-97; 7: 1080-1090
geologic hazards 5: 693-707
Quaternary 10: 1559-1581
France, Eocene 4: 515-530
reverse slip faults *see* thrust faults
rhyodacites
Alaska, Quaternary 10: 1594-1620
rhyolites *see also* comendite
Alaska 10: 1594-1620
rift zones
Argentina, Miocene 11: 1736-1751
Egypt, tectonics 12: 1877-1899
Ethiopia, plate tectonics 2: 163-176
Idaho 9: 1356-1374
Missouri, lead-zinc deposits 11: 1680-1693
New Mexico
geochemistry 10: 1582-1593
tectonics 5: 783-798
Oregon, Miocene 5: 668-682
Tennessee, lead-zinc deposits 11: 1680-1693
right-lateral faults
California 1: 34-44
Rio Grande Rift
geochemistry 10: 1582-1593
sedimentary petrology 5: 643-656
tectonics 5: 783-798
risk, seismic *see* seismic risk
Ritter Range Pendant
structural geology 7: 1043-1058; 7: 1059-1066
river piracy *see* stream capture
rivers *see also* channel geometry; channels; drainage basins; drainage patterns; floodplains; stream capture; stream transport
Atlantic Coastal Plain 2: 200-220
Riverside County California
Neogene 8: 1155-1178
robbery *see* stream capture
rock masses
California, geologic hazards 1: 75-85
rock-stratigraphy *see* lithostratigraphy
rock-water interface *see* water-rock interaction
rockfalls
California, geologic hazards 1: 75-85
Rocky Mountain foreland *see* Rocky Mountains foreland
Rocky Mountains
geochemistry, Canadian Rocky Mountains 4: 531-539
structural geology
Canadian Rocky Mountains 6: 929-942
Wind River Range 4: 564-578
Rocky Mountains foreland
structural geology 6: 929-942
Rodman Mountains
structural geology 1: 34-44
Roxana Silt
Quaternary 10: 1475-1495
Ruapehu
geologic hazards 5: 720-726
Quaternary 7: 1149-1152
rubidium-strontium *see* Rb/Sr
Ruby Mountains
metamorphism 1: 45-60
Russian Far East
Quaternary 7: 1106-1118
Russian Federation
Quaternary
Chukchi Peninsula 7: 1106-1118
Koryak Range 7: 1106-1118
Russian Far East 7: 1106-1118
Russian Pacific region *see* Koryak Range
S-34/S-32
Canadian Shield, geochemistry 6: 900-914
Nevada, metal ores 5: 764-782
Utah, metal ores 5: 764-782
Sacramento Basin
deformation 11: 1703-1723
Saint Lawrence County New York
structural geology 10: 1522-1530
saline water *see* salt water
Salt Range
salt tectonics 3: 351-363
salt tectonics *see* diapirism; diapirs
salt water
Israel, hydrogeology 11: 1694-1702
Salta Argentina
Miocene 11: 1736-1751
San Bernardino County California
geochemistry 8: 1264-1279
Neogene 8: 1155-1178
San Emigdio Mountains
structural geology 1: 86-97
San Joaquin Basin
diagenesis 6: 845-856
San Joaquin County California
diagenesis 6: 845-856
San Joaquin Valley
structural geology 1: 86-97
San Luis Obispo County California
geologic hazards 2: 236-249

sand
Ontario, Quaternary 1: 98-118
sand bars *see* bars
Sandpoint Conglomerate
areal geology 9: 1356-1374
sandstone
Alaska
structural geology 11: 1760
Tertiary 7: 1023-1042
Argentina, Miocene 11: 1736-1751
California 6: 845-856
Colorado, stratigraphy 12: 1787-1803
India, structural geology 3: 435-449
Mexico, tectonophysics 4: 540-549
Ontario, Quaternary 1: 98-118
Spain, stratigraphy 12: 1787-1803
sandurs *see* outwash plains
Santa Barbara Channel
structural geology 7: 1067-1079
Santa Barbara County California
folds 7: 1080-1090
geologic hazards 2: 236-249
petroleum 11: 1667-1679
structural geology 7: 1067-1079
Santa Cruz County California
geologic hazards 2: 236-249
Santa Maria Basin
structural geology 7: 1067-1079
Santa Monica Fault
Quaternary 10: 1559-1581
Santa Monica Mountains
structural geology 7: 1067-1079
Santa Rosalia Basin
tectonophysics 4: 540-549
Santonian
Italy 2: 308-319
Spain 2: 308-319
scarps
Israel, geomorphology 12: 1864-1876
schists
California, structural geology 7: 1059-1066
New Zealand, geochronology 2: 250-266
Texas, Proterozoic 2: 278-291
schuppen texture *see* imbricate tectonics
sea fan *see* submarine fans
sea floor spreading *see* sea-floor spreading
sea floors *see* ocean floors
Sea of Galilee
hydrogeology 11: 1694-1702
sea surface temperature *see* sea-surface temperature
sea water
Switzerland, deformation 1: 21-33
sea-floor spreading
Mexico 4: 540-549
Pakistan, metal ores 3: 478-489
sea-level changes *see also* transgression
Antarctica 5: 657-667
Atlantic Ocean 6: 829-844
Costa Rica, stratigraphy 7: 963-981
Florida 12: 1804-1813
Quaternary 2: 267-277
Italy, stratigraphy 2: 308-319
New Jersey 6: 817-828
Ontario, stratigraphy 9: 1342-1355
Oregon, Miocene 8: 1209-1224
Spain, stratigraphy 2: 308-319
sea-surface temperature
United Kingdom, Eocene 4: 628-640
United States, Eocene 4: 628-640
seawater *see* sea water
secondary structures *see* concretions
sediment load *see* bedload
sediment supply
Antarctica 5: 657-667
Colorado Plateau, Quaternary 1: 147-158
Oregon, fluvial features 12: 1814-1824
Puerto Rico, geomorphology 12: 1763-1777
Washington, geomorphology 4: 591-599
sediment transport *see also* ice rafting; marine transport; stream transport
Argentina, Jurassic 11: 1650-1666
hydrology 12: 1778-1786
Iceland, Quaternary 10: 1507-1521
sedimentary petrology *see* clay mineralogy; diagenesis; heavy minerals; reefs; sedimentation; sediments
sedimentary quartzite *see* orthoquartzite
sedimentary rocks *see also* cement; diagenesis; lithostratigraphy; reefs; volcaniclastics
Alberta
geochemistry 4: 531-539
stratigraphy 8: 1179-1198
arenite, Alaska 7: 1023-1042
Argentina, Neogene 6: 803-816
Bolivia, structural geology 11: 1752-1759
California, structural geology 1: 34-44
carbonate rocks
Canada 6: 929-942
Italy 2: 308-319
New Mexico 5: 643-656
Spain 2: 308-319
clastic rocks
California 8: 1155-1178
Nova Scotia 7: 997-1011
conglomerate
California 11: 1635-1649
Idaho 9: 1356-1374
India 3: 394-412
Mexico 4: 600-610
New Mexico 5: 643-656
dolostone, California 11: 1667-1679
flysch
Arkansas 7: 1012-1022
Oklahoma 7: 1012-1022
limestone
Florida 2: 267-277
France 4: 515-530
Italy 9: 1430-1443
Mexico 4: 540-549; 5: 799-800
marl, Manitoba 6: 943-958
mudstone
Arkansas 7: 1012-1022
California 11: 1667-1679
Egypt 12: 1877-1899
India 3: 435-449
New Mexico 5: 643-656
Oklahoma 7: 1012-1022
Ontario 9: 1342-1355
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
orthoquartzite, California 11: 1635-1649
sandstone
Alaska 7: 1023-1042; 11: 1760
Argentina 11: 1736-1751
California 6: 845-856
Colorado 12: 1787-1803
India 3: 435-449
Mexico 4: 540-549
Ontario 1: 98-118
Spain 12: 1787-1803
shale
Arkansas 7: 1012-1022
Oklahoma 7: 1012-1022
siltstone
Colorado 12: 1787-1803
Nepal 3: 424-434
Spain 12: 1787-1803
sedimentary structures
bedding
California 11: 1703-1723
Ontario 1: 98-118
bioturbation, Alberta 8: 1179-1198
concretions, New Mexico 5: 643-656
olistoliths, Appalachians 7: 982-996
sedimentation *see also* sedimentary rocks
biochemical sedimentation, Antarctica 5: 657-667
continental margin sedimentation, Atlantic Ocean 6: 829-844
fluvial sedimentation
hydrology 12: 1778-1786
New Zealand 7: 1149-1152
Puerto Rico 12: 1763-1777
Washington 4: 591-599
glaciofluvial sedimentation, Iceland 10: 1507-1521
glaciomarine sedimentation, Antarctica 5: 657-667
marine sedimentation
Atlantic Ocean 6: 829-844
Iceland 10: 1507-1521
sedimentation rates
Italy, paleomagnetism 9: 1430-1443
Mexico, tectonophysics 4: 540-549
sediments *see also* peat
alluvium
Oregon 12: 1814-1824
Washington 4: 591-599
Antarctica 5: 657-667
Arkansas, Quaternary 4: 579-590
boulders, Northwest Territories 8: 1296-1312
carbonate sediments, Costa Rica 7: 963-981
clastic sediments
California 10: 1559-1581
hydrology 12: 1778-1786
Italy 10: 1531-1542
diamicton
Alberta 10: 1496-1506
Montana 10: 1496-1506
Ontario 1: 98-118
erratics
Northwest Territories 8: 1296-1312
Russian Federation 7: 1106-1118
gravel, Ontario 1: 98-118
gyttja, Manitoba 6: 943-958
loess
Arkansas 2: 221-235
China 3: 375-393
Mississippi Valley 10: 1475-1495
Missouri 2: 221-235
marine sediments
Atlantic Ocean 6: 829-844
Iceland 10: 1507-1521
Italy 10: 1531-1542
New Jersey 6: 817-828
Nepal, Quaternary 10: 1621-1632
New Mexico, Quaternary 9: 1444-1458
ooze, Atlantic Ocean 6: 829-844
sand, Ontario 1: 98-118
till
Alberta 10: 1496-1506
Mississippi Valley 10: 1475-1495
Montana 10: 1496-1506
structural geology 5: 683-692
seismic energy
Alaska, Quaternary 10: 1594-1620
seismic methods *see* seismic stratigraphy
seismic profiles *see also* vertical seismic profiles
Argentina, Jurassic 11: 1650-1666
Arkansas, neotectonics 11: 1724-1735
Atlantic Coastal Plain, geomorphology 2: 200-220

California
deformation 11: 1703-1723
lacustrine features 5: 736-746
Italy, Quaternary 10: 1531-1542
Nevada, lacustrine features 5: 736-746
New Jersey 6: 817-828
Oregon, Miocene 8: 1209-1224
Switzerland, deformation 1: 21-33
seismic risk *see also* seismic zoning
Alaska, earthquakes 9: 1414-1429
Arkansas, neotectonics 11: 1724-1735
Atlantic Coastal Plain, geomorphology 2: 200-220
California, geologic hazards 5: 693-707
seismic stratigraphy
Atlantic Ocean 6: 829-844
Italy, Quaternary 10: 1531-1542
seismic zoning
California, Quaternary 10: 1559-1581
seismology *see* crust; earthquakes; mantle
seismostratigraphy *see* seismic stratigraphy
seismotectonics
Atlantic Coastal Plain, geomorphology 2: 200-220
Oregon 8: 1225-1233
Senonian *see* Santonian
sensing, remote *see* remote sensing
sequence stratigraphy *see also* parasequences
Argentina, Jurassic 11: 1650-1666
Atlantic Ocean 6: 829-844
New Jersey 6: 817-828
Sespe Formation 8: 1155-1178
sedimentary petrology 11: 1635-1649
Sevier orogenic belt
metamorphism 1: 45-60
shale
Arkansas, geochemistry 7: 1012-1022
Oklahoma, geochemistry 7: 1012-1022
shear zones
New York, structural geology 10: 1522-1530
sheet silicates *see* mica group
shelf, continental *see* continental shelf
Sherbrooke County Quebec
metamorphism 1: 136-146
shore features *see* marine terraces
shoreline features *see* shore features
shorelines *see* cliffs
shortening, crustal *see* crustal shortening
Siberia-Soviet Far East *see* Russian Far East
Sichuan Basin
Quaternary 3: 375-393
Sichuan China *see* Qinghai-Xizang Plateau
Sichuan Sheng *see* Sichuan China
sideromelane
Iceland, Quaternary 10: 1507-1521
Sierra County New Mexico
sedimentary petrology 5: 643-656
Sierra de Gonzalez
Miocene 11: 1736-1751
Sierra Nevada
geomorphology 3: 490-503
lacustrine features 5: 736-746
Sierra Nevada Batholith
magmas 1: 119-135
petrology 3: 504-511
structural geology 7: 1043-1058; 7: 1059-1066
silicates *see* chain silicates; framework silicates; orthosilicates; sheet silicates
siliciclastics
Costa Rica, stratigraphy 7: 963-981
New Jersey 6: 817-828
siltstone
Colorado, stratigraphy 12: 1787-1803
Nepal, stratigraphy 3: 424-434
Spain, stratigraphy 12: 1787-1803
Silurian *see also* Taconic Orogeny
Appalachians 7: 982-996
Sinai Egypt
tectonics 12: 1877-1899
sinkholes
Florida 12: 1804-1813
Siwalik Group *see* Siwalik System
Siwalik Range
stratigraphy 3: 394-412
Siwalik System 3: 424-434
structural geology 3: 435-449
Siwaliks *see* Siwalik Range
skarn
Nevada, metal ores 5: 764-782
Utah, metal ores 5: 764-782
Slate Range
neotectonics 6: 871-883
slates
California, structural geology 7: 1059-1066
slope stability *see* debris avalanches; debris flows
slope, continental *see* continental slope
Smokies *see* Great Smoky Mountains
soft sediment deformation *see* olistoliths
soils *see* pedogenesis
sole faults *see* detachment faults
solute transport
Israel, hydrogeology 11: 1694-1702
solution features *see* sinkholes
Sonora Mexico
areal geology 4: 600-610
South America *see* Andes; Argentina; Bolivia; Chile; Colombia
South Carolina *see* Charleston earthquake 1886
South Island
geochronology 2: 250-266
South Virgin Mountains
structural geology 9: 1375-1397
Southern Alaska *see* Kenai Peninsula
Southern Atlantic Coastal Plain
geomorphology 6: 884-899
Southern Europe *see* Iberian Peninsula; Italy
Southern Oscillation
California, geologic hazards 2: 236-249
Southwestern Alaska *see* Alaska Peninsula; Katmai; Katmai National Park; Novarupta; Valley of Ten Thousand Smokes
Soviet Far East *see* Russian Far East
Spain *see also* Ossa-Morena Zone
geomorphology, Andalusia Spain 12: 1825-1833
stratigraphy
Caravaca Spain 2: 308-319
Ebro Basin 12: 1787-1803
spontaneous fission-track dating *see* fission-track dating
spreading-floor hypothesis *see* sea-floor spreading
Sr-87/Sr-86
British Columbia, geochemistry 7: 1119-1133
California, geochemistry 8: 1264-1279
France, fractures 8: 1199-1208
India, geochemistry 3: 467-477
New Mexico, geochemistry 10: 1582-1593
Nova Scotia, geochemistry 7: 997-1011
Yukon Territory, geochemistry 7: 1119-1133
Sr/Rb *see* Rb/Sr
stable isotopes *see* C-13/C-12; Nd-144/Nd-143; O-18/O-16; Pb-206/Pb-204; Pb-207/Pb-204; Pb-207/Pb-206; Pb-208/Pb-204; S-34/S-32
Stanley Group
geochemistry 7: 1012-1022
Stevens Sandstone
diagenesis 6: 845-856
Stirling Quartzite
sedimentary petrology 11: 1635-1649
Straits of Florida 6: 829-844
stratigraphic boundary *see* Permian-Triassic boundary
stratigraphic wedges
New Mexico, tectonics 5: 783-798
stratigraphy *see* Archean; Cenozoic; Cretaceous; Devonian; Eocene; Holocene; Jurassic; Mesozoic; Miocene; Neogene; Oligocene; Ordovician; paleomagnetism; Paleozoic; palynomorphs; Pleistocene; Pliocene; Proterozoic; Quaternary; Silurian; Tertiary
stream capture
Spain, geomorphology 12: 1825-1833
stream flow *see* streamflow
stream gradient
California, fluvial features 8: 1250-1263
Florida, geomorphology 6: 884-899
stream robbery *see* stream capture
stream sediments
hydrology 12: 1778-1786
Washington, geomorphology 4: 591-599
stream transport *see also* bedload; fluvial sedimentation
Alaska 3: 490-503
California, geomorphology 3: 490-503
China, geomorphology 3: 490-503
Pakistan, geomorphology 3: 490-503
streamflow
New Zealand, Quaternary 7: 1149-1152
streams *see* braided streams; gravel-bed streams
strike-slip faults *see also* oblique-slip faults
Arkansas 11: 1724-1735
California 7: 1080-1090
Neogene 8: 1155-1178
China 1: 61-74
Oregon 8: 1225-1233
strontium
Sr-87/Sr-86
British Columbia 7: 1119-1133
California 8: 1264-1279
France 8: 1199-1208
India 3: 467-477
New Mexico 10: 1582-1593
Nova Scotia 7: 997-1011
Yukon Territory 7: 1119-1133
structural analysis *see also* cleavage; deformation; faults; folds; foliation; lineation; petrofabrics; transpression
Idaho 9: 1356-1374
India, geochemistry 3: 467-477
structural basins *see* basins
structural geology *see* deformation; faults; folds; foliation; fractures; geosynclines; lineation; neotectonics; orogeny; salt tectonics; tectonics
Subathu Formation
structural geology 3: 435-449
subduction
California, deformation 11: 1703-1723
New Mexico, geochemistry 10: 1582-1593
Spain, structural geology 9: 1398-1413
subduction zones *see* fore-arc basins
submarine canyons
Atlantic Ocean 6: 829-844
New Jersey 6: 817-828
submarine fans
Oregon, Miocene 8: 1209-1224
submarine features *see* bottom features
submarine valleys *see* submarine canyons
sulfides *see* pyrite
sulfur
S-34/S-32
Canadian Shield 6: 900-914
Nevada 5: 764-782
Utah 5: 764-782
Superior Lobe
Quaternary 10: 1475-1495

surficial geology
Atlantic Coastal Plain, geomorphology 2: 200-220
surveys *see* geophysical surveys
suspect terranes *see* terranes
suture zones
India
geochemistry 3: 450-466
structural geology 3: 435-449
Suwannee River
geomorphology 12: 1804-1813
Sweetwater County Wyoming
stratigraphy 2: 292-307
Swiss Alps
deformation 1: 21-33
Switzerland
deformation, Swiss Alps 1: 21-33
syenites *see* monzonites
symmicton *see* diamicton
synclines
Bolivia 11: 1752-1759
California 1: 34-44
Egypt 12: 1877-1899
Szechuan China *see* Sichuan China
Szechwan Basin *see* Sichuan Basin
Tacana
Quaternary 8: 1234-1249
Taconic Orogeny
Quebec 1: 4-20
Talimu Basin *see* Tarim Basin
talus fan *see* alluvial fans
Tamworth Australia
paleomagnetism 9: 1315-1341
tangential tectonics *see* compression tectonics
Tarim Basin
structural geology 1: 61-74
tectogenesis *see* orogeny
tectonic imbrication *see* imbricate tectonics
tectonic sutures *see* suture zones
tectonic wedges
Bolivia, structural geology 11: 1752-1759
California, deformation 11: 1703-1723
Canada, structural geology 6: 929-942
Pakistan, salt tectonics 3: 351-363
tectonics *see also* Acadian Phase; Andean Orogeny; back-arc basins; basins; Cadomian Orogeny; continental margin; Cordilleran Orogeny; deformation; faults; fold and thrust belts; folds; fore-arc basins; foreland basins; half grabens; Hercynian Orogeny; Himalayan Orogeny; Laramide Orogeny; metamorphic core complexes; nappes; neotectonics; orogenic belts; orogeny; plate tectonics; rift zones; salt tectonics; shear zones; structural analysis; suture zones; terranes; thrust sheets; transpression; transtension; uplifts
California, petrology 3: 504-511
compression tectonics
Alaska 7: 1023-1042
Alberta 4: 531-539
extension tectonics
Arizona 5: 727-735
California 1: 34-44
Mexico 6: 857-870
Oregon 5: 668-682
Quebec 1: 4-20
imbricate tectonics
California 11: 1703-1723
Nevada 9: 1375-1397
Pakistan 3: 351-363
Texas 2: 278-291
inversion tectonics, Argentina 11: 1650-1666
Mexico 4: 600-610
seismotectonics
Atlantic Coastal Plain 2: 200-220
Oregon 8: 1225-1233
tectonophysics *see* continental drift; crust; mantle; paleomagnetism; plate tectonics; sea-floor spreading
tectonostratigraphic terranes *see* terranes
temperature methods *see* heat flow
Tennessee *see* Great Smoky Mountains; Ocoee Supergroup; Reelfoot Rift; Walden Creek Group
tephra *see* pyroclastics
tephrochronology
Argentina, Neogene 6: 803-816
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
terraces *see also* floodplains
Arkansas 2: 221-235
China, Quaternary 3: 375-393
Missouri, Quaternary 2: 221-235
Oregon, fluvial features 12: 1814-1824
terranes
Alaska
structural geology 11: 1760
Tertiary 7: 1023-1042
British Columbia, petrology 8: 1280-1295
Canadian Shield, geochemistry 6: 900-914
Texas, Proterozoic 2: 278-291
Yukon Territory, petrology 8: 1280-1295
Tertiary *see also* Laramide Orogeny; Neogene; Paleogene
Alaska 4: 550-563; 11: 1760
California 1: 34-44
Ethiopia 2: 163-176
Mexico 4: 600-610
Nevada 1: 45-60
Tethys
Pakistan, metal ores 3: 478-489
Texas
Eocene, Burleson County Texas 4: 628-640
Proterozoic
El Paso County Texas 7: 1134-1148
Hudspeth County Texas 7: 1134-1148
Llano County Texas 2: 278-291
Llano Uplift 2: 278-291
Van Horn Texas 7: 1134-1148
Textulariina
Alberta, stratigraphy 8: 1179-1198
Th/U
California, structural geology 1: 86-97
Florida, Quaternary 2: 267-277
The Himalaya *see* Himalayas
thermal metamorphism
Alaska, structural geology 4: 550-563
thermal surveys *see* heat flow
thermochronology
Idaho 9: 1356-1374
New Zealand, geochronology 2: 250-266
Quebec, metamorphism 1: 136-146
thermometamorphism *see* thermal metamorphism
Thetford Mines
petrology 6: 915-928
thorium-uranium *see* Th/U
thrust faults *see also* fold and thrust belts; foreland basins; imbricate tectonics; thrust sheets
California 7: 1043-1058
France 8: 1199-1208
India, geochemistry 3: 467-477
Wyoming 4: 564-578
thrust sheets *see also* fold and thrust belts
Pakistan, structural geology 3: 364-374
thrusts and thrusting *see* thrust faults
Tibet China *see* Xizang China
Tibetan Plateau *see* Qinghai-Xizang Plateau
Tien Shan
structural geology 1: 61-74
Tiffanian
Wyoming 2: 292-307
till *see also* drumlins
Alberta, stratigraphy 10: 1496-1506
Mississippi Valley, Quaternary 10: 1475-1495
Montana, stratigraphy 10: 1496-1506
structural geology 5: 683-692
Torrance County New Mexico
Quaternary 9: 1444-1458
trace metals
New Mexico, Quaternary 9: 1444-1458
trachytes
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
transcurrent faults
Texas, Proterozoic 7: 1134-1148
transgression
Alberta, stratigraphy 8: 1179-1198
Argentina, Jurassic 11: 1650-1666
France, Eocene 4: 515-530
Mexico, Pliocene 2: 177-199
Quebec, stratigraphy 1: 4-20
transpression
Alaska
earthquakes 9: 1414-1429
structural geology 4: 550-563
California, structural geology 7: 1059-1066
transtension
Appalachians, Silurian 7: 982-996
Italy, Quaternary 10: 1531-1542
Mexico, Pliocene 2: 177-199
Transverse Ranges
folds 7: 1080-1090
structural geology 7: 1067-1079
trenching
California, Quaternary 10: 1559-1581
Triassic
Permian-Triassic boundary, Antarctica 9: 1459-1472
Trilobita
Appalachians, Silurian 7: 982-996
triple junctions *see* Mendocino fracture zone
Tsaidam Basin *see* Qaidam Basin
Tulare Formation
structural geology 1: 86-97
Tuolumne County California
structural geology 7: 1059-1066
turbidite
Alaska, Tertiary 7: 1023-1042
Argentina, Jurassic 11: 1650-1666
Atlantic Ocean 6: 829-844
Tyrrhenian Sea *see* Bay of Naples
U. S. Rocky Mountains *see* Wind River Range
U/Pb *see also* Pb/Pb
British Columbia, structural geology 5: 708-719
California
petrology 3: 504-511
structural geology 7: 1043-1058
metamorphism 5: 747-763
Pacific region, tectonophysics 4: 611-627
Quebec, petrology 6: 915-928
Texas, Proterozoic 2: 278-291; 7: 1134-1148
U/Th *see* Th/U
Umbria Italy *see* Perugia Italy
unconformities *see* angular unconformities; erosional unconformities
underground water *see* ground water
underthrust faults
Pakistan 3: 364-374
UNFOLD
folds 7: 1080-1090
United Kingdom *see* Great Britain

United States *see also* individual states; Atlantic Coastal Plain; Colorado Plateau; Great Basin; Midwest; Mississippi Valley; New England
fluvial features, Cascade Range 12: 1814-1824
geochemistry
Connecticut Valley 6: 900-914
Mojave Desert 8: 1264-1279
Ouachita Mountains 7: 1012-1022
geomorphology, Suwannee River 12: 1804-1813
lacustrine features, Lake Tahoe 5: 736-746
lead-zinc deposits 11: 1680-1693
metamorphism, Sevier orogenic belt 1: 45-60
neotectonics, Mississippi Embayment 11: 1724-1735
Quaternary, Mississippi River 2: 221-235
sedimentary petrology, Mojave Desert 11: 1635-1649
Silurian, Great Smoky Mountains 7: 982-996
structural geology
Mojave Desert 1: 34-44
Wind River Range 4: 564-578
Wyoming Province 4: 564-578
uplifts *see also* exhumation
Alaska, Tertiary 7: 1023-1042
Argentina, Miocene 11: 1736-1751
Arkansas, Quaternary 4: 579-590
California, structural geology 1: 86-97
Canada, structural geology 6: 929-942
Chile, neotectonics 7: 1091-1105
China, Quaternary 3: 375-393
Colombia, neotectonics 7: 1091-1105
Costa Rica, stratigraphy 7: 963-981
Israel, geomorphology 12: 1864-1876
Italy, Quaternary 10: 1531-1542
Nova Scotia, geochemistry 7: 997-1011
Oregon, Miocene 8: 1209-1224
Spain, geomorphology 12: 1825-1833
Upper Carboniferous *see* Namurian; Westphalian
upper Cenozoic *see* Matuyama Chron
Upper Cretaceous *see* Cenomanian; Cupido Formation; Senonian
Upper Devonian *see* Famennian; Frasnian
upper Paleocene *see* Tiffanian
Upper Permian *see* Permian-Triassic boundary
upper Pleistocene *see* Illinoian; Wisconsinan
upper Precambrian *see* Proterozoic
uranium disequilibrium
Florida, Quaternary 2: 267-277
uranium-lead *see* U/Pb
uranium-thorium *see* Th/U
Utah *see* Great Basin
Uttar Pradesh India *see* Garhwal Himalayas
Valley of Ten Thousand Smokes
geomorphology 3: 490-503
valleys
California, neotectonics 6: 871-883
Oregon, fluvial features 12: 1814-1824
Van Horn Texas
Proterozoic 7: 1134-1148
Variscan Orogeny *see* Hercynian Orogeny
Vatnajokull
Quaternary 10: 1507-1521
veins *see* quartz veins
Veneto Italy
paleomagnetism 9: 1430-1443
Ventura Basin
folds 7: 1080-1090
Ventura County California
folds 7: 1080-1090
structural geology 7: 1067-1079
Vermont *see* Connecticut Valley
vertical seismic profiles
Alaska, earthquakes 9: 1414-1429
Victoria Land *see* Allan Hills
Virginia
geomorphology 2: 200-220
vitrinite
Idaho 9: 1356-1374
volcanic arcs *see* island arcs
volcanic earthquakes
Alaska, Quaternary 10: 1594-1620
volcanic features *see also* calderas
British Columbia, petrology 8: 1280-1295
Yukon Territory, petrology 8: 1280-1295
volcanic fields
New Mexico, geochemistry 10: 1582-1593
volcanic processes *see* volcanism
volcanic risk
Alaska, Quaternary 10: 1594-1620
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
New Zealand, geologic hazards 5: 720-726
volcanic rocks *see also* andesites; basalts; dacites; phonolites; pyroclastic flows; pyroclastics; rhyodacites; rhyolites; trachytes
California
geochemistry 8: 1264-1279
structural geology 1: 34-44
Mexico 4: 600-610
New South Wales Australia, paleomagnetism 9: 1315-1341
Nova Scotia, paleomagnetism 9: 1315-1341
volcanic tremors *see* volcanic earthquakes
volcanicity *see* volcanism
volcaniclastics
Iceland, Quaternary 10: 1507-1521
India, geochemistry 3: 450-466
Oregon, Miocene 5: 668-682
volcanics *see* volcanic rocks
volcanism *see also* eruptions; volcanic features; volcanic fields; volcanic risk; volcanoes
Argentina, Neogene 6: 803-816
Ethiopia, plate tectonics 2: 163-176
Italy, Quaternary 10: 1531-1542
Oregon, Miocene 5: 668-682
volcanoes *see also* Grimsvotn; Katmai; Novarupta; Ruapehu; volcanic earthquakes
Guatemala, Quaternary 8: 1234-1249
Mexico, Quaternary 8: 1234-1249
volume susceptibility (magnetic) *see* magnetic susceptibility
vulcanism *see* volcanism
Walden Creek Group 7: 982-996
wall rocks
California
magmas 1: 119-135
structural geology 7: 1043-1058
Wampum Manitoba
Quaternary 6: 943-958
Wasatch Formation 2: 292-307; 12: 1787-1803
Wasatchian
Wyoming 2: 292-307
Washington
geomorphology, Willapa Bay 4: 591-599
Washoe County Nevada
lacustrine features 5: 736-746
water-rock interaction
Alaska, structural geology 4: 550-563
Missouri, lead-zinc deposits 11: 1680-1693
Switzerland, deformation 1: 21-33
Tennessee, lead-zinc deposits 11: 1680-1693
Waterton-Glacier International Peace Park
stratigraphy 10: 1496-1506
Waziristan Pakistan
structural geology 3: 364-374
Wegener hypothesis *see* continental drift
West Indies *see* Antilles
West Mediterranean *see* Tyrrhenian Sea
West Pakistan *see* Pakistan
Western Canada *see* Alberta; British Columbia; Canadian Cordillera; Canadian Rocky Mountains; Manitoba; Yukon Territory
Western Canada Basin
geochemistry 4: 531-539
Western Europe *see* France; Iceland; Ireland; United Kingdom
Western Interior
stratigraphy, Western Interior Seaway 8: 1179-1198; 9: 1342-1355
Western Interior Seaway
stratigraphy 8: 1179-1198; 9: 1342-1355
Westphalian
New South Wales Australia 9: 1315-1341
Nova Scotia 9: 1315-1341
wetlands
Florida, geomorphology 6: 884-899
white mica *see* muscovite
White-Inyo Range *see* Inyo Mountains
Whittier Fault
Neogene 8: 1155-1178
Willamette Valley
neotectonics 8: 1225-1233
Willapa Bay
geomorphology 4: 591-599
Wind River Range
structural geology 4: 564-578
Wisconsinan
Arkansas 2: 221-235
British Columbia 12: 1850-1863
Mississippi Valley 10: 1475-1495
Missouri 2: 221-235
Northwest Territories 8: 1296-1312
Wood Canyon Formation
sedimentary petrology 11: 1635-1649
Wyoming
stratigraphy, Sweetwater County Wyoming 2: 292-307
structural geology
Fremont County Wyoming 4: 564-578
Wind River Range 4: 564-578
Wyoming Province
structural geology 4: 564-578
xenoliths
British Columbia 8: 1280-1295
Yukon Territory 8: 1280-1295
Xinjiang China
structural geology, Tarim Basin 1: 61-74
Xizang China
structural geology 3: 324-350
Xizang Plateau *see* Qinghai-Xizang Plateau
Yamhill County Oregon
neotectonics 8: 1225-1233
Yarlung Zangbo suture zone *see* Indus-Yarlung Zangbo suture zone
Yosemite National Park
geologic hazards 1: 75-85
Yukon Territory *see also* Cassiar Mountains; Omineca Belt
petrology 8: 1280-1295
Yunnan China
structural geology 3: 413-423
zeolite group
Alaska, structural geology 4: 550-563
zeolitization
Alaska, structural geology 4: 550-563
zircon
British Columbia, structural geology 5: 708-719
California
petrology 3: 504-511
structural geology 7: 1043-1058
metamorphism 5: 747-763
Pacific region, tectonophysics 4: 611-627
Quebec, petrology 6: 915-928
Texas, Proterozoic 2: 278-291; 7: 1134-1148

The Geological Society of America Bulletin
Author Index to Volume 112, No. 1-12, 2000

Abalos, B. 9:1398-1413
Ahmad, Talat 3:467-477
Allen, Bruce D. 9:1444-1458
Allen, Philip A. 4:515-530
Amaya-Martinez, Ricardo 4:600-610
Amsbury, David L. 5:799-800
Anderson, E. 12:1834-1849
Anderson, Orin J. 5:783-798
Anderson, Robert S. 3:490-503
Anderson, Roger Y. 9:1444-1458
Andreasson, Fredrik P. 4:628-640
Anselmetti, Flavio S. 6:829-844
Apraiz, A. 9:1398-1413
Ashley, Gail M. 5:657-667
Ausich, William I. 7:982-996
Austin, James A., Jr. 6:817-828
Baker, J. 6:929-942
Bartley, John M. 1:34-44
Bartley, John M. 3:504-511
Batt, Geoffrey E. 2:250-266
Beard, William 11:1724-1735
Beck, Richard 3:364-374
Bednarczyk, Jolanta 7:982-996
Beeson, Marvin H. 8:1225-1233
Benda, Lee E. 12:1814-1824
Benn, Douglas I. 10:1621-1632
Berger, Glenn 3:375-393
Beyer, L. A. 8:1155-1178
Bickford, M. E. 7:1134-1148
Bickle, Mike 3:467-477
Bierman, Paul R. 8:1296-1312
Biffi, Ulderico 1:61-74
Black, Bruce A. 5:783-798
Blakely, Richard J. 8:1225-1233
Bloch, John 8:1179-1198
Blum, Michael D. 2:221-235
Blusztajn, J. 3:450-466
Boles, James R. 6:845-856
Boles, James R. 11:1667-1679
Borne, P. F. 7:963-981
Bourque, Pierre-Andre 1:4-20
Boyce, Joseph I. 1:98-118
Brady, Robert 9:1375-1397
Braun, Jean 2:250-266
Brigham-Grette, Julie 7:1106-1118
Broster, Bruce E. 12:1850-1863
Brown, E. H. 5:708-719
Brown, R. L. 6:803-816
Brozovic, Nicholas 3:394-412
Bruhn, Ronald L. 4:550-563
Bruhn, Ronald L. 9:1414-1429
Buchan, K. L. 6:803-816
Budd, A. F. 7:963-981
Bunbury, Judith 3:467-477
Bunds, M. P. 4:550-563
Burbank, Douglas W. 3:394-412
Burchfiel, B. Clark 3:375-393
Burchfiel, B. Clark 3:413-423
Burgess, Peter M. 11:1650-1666
Bursik, Marcus I. 1:75-85
Butler, R. F. 3:424-434
Caffee, Marc W. 8:1296-1312
Carey, Steven 10:1507-1521
Carl, Brian S. 3:504-511
Castonguay, Sebastien 1:136-146
Cather, S. M. 5:783-798
Chacko, Thomas 7:1119-1133
Chamberlain, Kevin R. 4:564-578
Channell, J. E. T. 9:1430-1443
Chapman, Hazel 3:467-477
Chen Zhiliang 3:375-393
Cichanski, Marek 6:871-883
Claoue-Long, J. 9:1315-1341
Clark, Jeffrey J. 12:1763-1777
Clift, P. D. 3:450-466
Coates, A. G. 7:963-981
Cole, David R. 5:643-656
Coleman, Drew S. 3:504-511
Connelly, James 2:278-291
Connelly, James N. 5:747-763
Constenius, Kurt N. 11:1703-1723
Cotton, James T. 3:351-363
Cox, Randel Tom 11:1724-1735
Creaser, Robert A. 7:1119-1133
Cronin, Shane 7:1149-1152
Cruden, Alexander R. 1:119-135
Cuffey, Roger J. 7:982-996
Cummings, Michael L. 5:668-682
Curtis, Matthew 5:693-707
Dalziel, Ian W. D. 4:611-627
Davis, P. Thompson 8:1296-1312
DeCelles, P. G. 3:424-434
Degnan, P. J. 3:450-466
Denizman, C. 12:1804-1813
Dickin, Alan P. 10:1582-1593
Dickinson, William R. 11:1703-1723
Ding, Zan-Dong 6:829-844
Dolan, James F. 10:1559-1581
Dorais, Michael J. 6:900-914
Dorsey, Rebecca J. 2:177-199
Doughty, P. T. 9:1356-1374
Driver, Leslie Ann 7:1119-1133
Dunning, G. R. 6:915-928
Eberli, Gregor P. 6:829-844
Ebinger, C. J. 2:163-176
Edwards, Benjamin R. 8:1280-1295
Eguiluz, L. 9:1398-1413
Eichhubl, Peter 11:1667-1679
Elliot, Paul 5:693-707
Elliott, Tim 2:267-277
Enkin, R. J. 6:929-942
Enrico, R. J. 8:1155-1178
Enzel, Y. 12:1864-1876
Erba, E. 9:1430-1443
Erdmer, Philippe 7:1119-1133
Espindola, J. M. 8:1234-1249
Essene, E. J. 10:1522-1530
Evans, James G. 5:668-682
Eyles, Nicholas 1:98-118
Farmer, G. Lang 8:1264-1279
Ferns, Mark L. 5:668-682
Fierstein, Judy 10:1594-1620
Finewood, Lee G. 1:75-85
Fiske, Richard S. 7:1043-1058
Flint, Stephen 11:1650-1666
Forman, Steven L. 11:1724-1735
Frost, B. Ronald 4:564-578
Frost, Carol D. 4:564-578
Fruh-Green, Gretchen L. 1:21-33
Fruijtier, Ceciel 2:267-277
Fryxell, Joan 9:1375-1397
Fulthorpe, Craig S. 6:817-828
Galli, C. I. 11:1736-1751
Galluzzi, Joseph 11:1724-1735
Garcia-Palomo, A. 8:1234-1249
Gardner, James V. 5:736-746
Garven, Grant 6:845-856
Garzanti, Eduardo 3:435-449
Gawthorpe, Rob L. 12:1877-1899
Geissman, John W. 3:323-489
Gil Ibarguchi, J. I. 9:1398-1413
Gilder, Stuart 1:119-135
Glazner, Allen F. 1:34-44
Glazner, Allen F. 3:323-489
Glazner, Allen F. 3:504-511
Glazner, Allen F. 8:1264-1279
Glushkova, Olga 7:1106-1118
Gnos, Edwin 3:364-374
Goldfinger, Chris 8:1209-1224
Gonzalez Leon, Carlos M. 4:600-610
Gratier, Jean-Pierre 7:1080-1090
Gregg, Jay M. 11:1680-1693
Gregory-Wodzicki, Kathryn M. 7:1091-1105
Griggs, Gary B. 2:236-249
Grimley, David A. 10:1475-1495
Gualtieri, Lyn 7:1106-1118
Guccione, Margaret J. 2:221-235
Guccione, Margaret J. 4:579-590
Gupta, Sanjeev 4:515-530
Gupta, Sanjeev 12:1877-1899
Guptill, Paul 5:693-707
Gvirtzman, Haim 11:1694-1702
Haag, David 10:1582-1593
Haeussler, Peter J. 9:1414-1429
Hall, C. M. 10:1522-1530
Hanan, Mark A. 7:1012-1022
Hancock, Gregory S. 3:490-503
Hannigan, R. 3:450-466
Harding, D. J. 2:163-176
Harp, Edwin L. 1:75-85
Harris, James B. 11:1724-1735
Harris, Nigel 3:467-477
Harrison, S. 12:1834-1849
Harvey, A. M. 12:1825-1833
Hehr, Lynne H. 4:579-590
Helgadottir, Gudrun 10:1507-1521
Heller, Paul L. 12:1787-1803
Hernandez, R. M. 11:1736-1751
Hildreth, Wes 10:1594-1620
Hilliard, R. V. 11:1736-1751
Hodges, K. V. 3:324-350
Hodgson, K. A. 7:1149-1152
Holt, Elizabeth 7:1043-1058
Holt, Elizabeth W. 4:540-549
Holt, John W. 4:540-549
Hooke, Roger LeB. 12:1778-1786
Hooyer, Thomas S. 5:683-692
Hopps, Thomas E. 7:1080-1090
Hornafius, J. Scott 7:1080-1090
Houghton, B. F. 5:720-726
Howard, Jeffrey L. 11:1635-1649
Hughes, S. 8:1234-1249
Hughes Clarke, John E. 5:736-746
Hulsebosch, Thomas P. 4:564-578
Hurwitz, Shaul 11:1694-1702
Hutton, D. H. W. 10:1543-1558
Idleman, B. D. 11:1736-1751
Ingersoll, Raymond V. 5:783-798
Irigoyen, M. V. 6:803-816
Irving, E. 9:1315-1341
Iverson, Neal R. 5:683-692
Johnson, D. L. 1:86-97
Johnson, Roy A. 11:1703-1723
Johnson, Stephen 11:1650-1666
Johnsson, Mark J. 7:1023-1042
Johnsson, Mark J. 11:1760
Johnston, D. M. 5:720-726
Jones, P. J. 9:1315-1341
Karlstrom, Eric T. 10:1496-1506
Karlstrom, K. E. 5:783-798
Keith, Lori A. 8:1264-1279
Keller, E. A. 1:86-97
Keller, Timothy J. 11:1680-1693
Kelley, S. 2:163-176
Kincaid, Chris 10:1507-1521
Kirby, Eric 3:375-393
Kirkwood, Donna 1:4-20
Kisilevsky, D. 6:929-942
Kohn, Barry P. 2:250-266

Kotila, J. M. 11:1736-1751
Koyi, Hemin A. 3:351-363
Krull, Evelyn S. 9:1459-1472
Ku, T. L. 1:86-97
Kulm, LaVerne D. 8:1209-1224
Laduzinsky, D. L. 1:86-97
Leckie, Dale A. 8:1179-1198
Lecointre, Jerome 7:1149-1152
Lees, Kate R. 5:668-682
Lehmann, Christoph 5:799-800
Levson, Victor M. 12:1850-1863
Liberty, Lee M. 8:1225-1233
Lozano-Santacruz, Rufino 4:600-610
Lucas, Spencer G. 5:783-798
Ludvigson, Gregory A. 9:1342-1355
Luyendyk, Bruce P. 7:1080-1090
Lyakhovsky, Vladimir 11:1694-1702
Lyons, William J. 12:1787-1803
Macias, J. L. 8:1234-1249
Mack, Greg H. 5:643-656
Magloughlin, J. F. 10:1522-1530
Mallick, Khalil A. 3:478-489
Malo, Michel 1:4-20
Mamet, Bernard L. 7:982-996
Manatschal, Gianreto 1:21-33
Manville, V. 7:1149-1152
Maria, Anton 10:1507-1521
Marple, Ronald T. 2:200-220
Marquer, Didier 1:21-33
Marsella, Kimberly A. 8:1296-1312
Massong, Tamara M. 4:591-599
Mather, A. E. 12:1825-1833
Matile, Gaywood 6:943-958
Matmon, A. 12:1864-1876
Mayer, Larry A. 5:736-746
McArdle, Steve 5:693-707
McCaig, Andrew M. 8:1199-1208
McClelland, W. C. 5:708-719
McCulloh, T. H. 8:1155-1178
McDougall, Ian 2:250-266
McGrew, Allen J. 1:45-60
McIntosh, William C. 4:600-610
McLelland, Jonathan M. 7:1134-1148
McMillan, Nancy J. 10:1582-1593
McNeill, D. F. 7:963-981
McNeill, Lisa C. 8:1209-1224
McNulty, Brendan A. 1:119-135
Mengel, Flemming C. 5:747-763
Merritts, Dorothy J. 8:1250-1263
Mighall, T. M. 12:1834-1849
Milia, Alfonsa 10:1531-1542
Miller, Daniel J. 12:1814-1824
Miller, Grant 5:693-707
Miller, Jonathan S. 8:1264-1279
Mohrig, David 12:1787-1803
Molyneux, S. J. 10:1543-1558
Montanez, Isabel P. 5:799-800
Montgomery, David R. 4:591-599
Mora, J. C. 8:1234-1249
Morrissey, Meghan M. 1:75-85
Mosher, Sharon 2:278-291
Mountain, Gregory S. 6:817-828
Mountjoy, Eric W. 4:531-539
Mukasa, Samuel B. 4:611-627
Murphy, J. Brendan 7:997-1011
Muttoni, G. 9:1430-1443
Naeser, C. W. 11:1736-1751
Nagy, Elizabeth A. 6:857-870
Najman, Yani 3:435-449
Neall, V. E. 5:720-726
Neall, Vince 7:1149-1152
Nielsen, Kent C. 7:1134-1148
Norris, Robert D. 1:75-85
Ojha, T. P. 3:424-434
Opdyke, N. D. 9:1315-1341
Osadetz, K. G. 6:929-942
Oskin, Michael 5:693-707
Osleger, David A. 5:799-800
Owen, Lewis A. 10:1621-1632
Paige, Matthew L. 6:900-914
Palmer, Alan 7:1149-1152
Palmes, Steven L. 7:982-996
Paola, Chris 12:1787-1803
Parry, W. T. 4:550-563
Passmore, D. G. 12:1834-1849
Paton, D. 5:720-726
Pederson, Joel L. 1:147-158
Peters, Mark T. 1:45-60
Pratt, Thomas L. 9:1414-1429
Price, R. A. 9:1356-1374
Prince, Christophe 3:467-477
Quade, J. 3:424-434
Randazzo, A. F. 12:1804-1813
Reese, Joseph F. 2:278-291
Renne, Paul R. 7:1059-1066
Retallack, Gregory J. 9:1459-1472
Rex, D. C. 2:163-176
Reynolds, J. H. 11:1736-1751
Rhodes, Edward J. 10:1621-1632
Richards, Ben W. M. 10:1621-1632
Richards, D. 3:424-434
Risberg, Jan 6:943-958
Ritts, Bradley D. 1:61-74
Roback, Robert 2:278-291
Roberts, J. 9:1315-1341
Robinson, Joel 3:364-374
Robnett, P. C. 2:221-235
Rockwell, Thomas 5:693-707
Rockwell, Thomas K. 10:1559-1581
Rodriguez-Castaneda, Jose Luis 4:600-610
Ronan, K. R. 5:720-726
Rosenbaum, Jeffrey M. 8:1199-1208
Ruffet, Gilles 1:136-146
Russell, James K. 8:1280-1295
Rutledge, E. M. 2:221-235
Saleeby, Jason B. 7:1043-1058
Sanner, Wayne K. 1:34-44
Schlager, Wolfgang 2:267-277
Schmitz, Birger 4:628-640
Schrag, Daniel P. 2:308-319
Schroder-Adams, Claudia J. 8:1179-1198
Scott, K. M. 8:1234-1249
Seaver, D. B. 1:86-97
Seeber, Leonardo 7:1067-1079
Sempere, Thierry 11:1752-1759
Sharp, Ian R. 12:1877-1899
Sharp, Warren D. 7:1059-1066
Shelton, Kevin L. 11:1680-1693
Sieh, Kerry 5:693-707
Sieh, Kerry 10:1559-1581
Sigurdsson, Haraldur 10:1507-1521
Smith, Norman D. 5:657-667
Snyder, James B. 1:75-85
Snyder, Noah P. 8:1250-1263
Soegaard, Kristian 7:1134-1148
Sorensen, Sorena S. 7:1043-1058
Sorlien, Christopher C. 7:1067-1079
Sorlien, Christopher C. 7:1080-1090
Spencer, Joel Q. 10:1621-1632
Spencer, Jon E. 5:727-735
Spray, J. G. 6:915-928
Stanislavsky, Eyal 11:1694-1702
Stevenson, Ross K. 4:531-539
Stock, Joann M. 4:540-549
Stokes, M. 12:1825-1833
Stoll, Heather M. 2:308-319
Storlazzi, Curt D. 2:236-249
Streepey, M. M. 10:1522-1530
Stumpf, Andrew J. 12:1850-1863
Suayah, Ismail B. 8:1264-1279
Sun Zhiming 3:375-393
Swapp, Susan 4:564-578
Talwani, Pradeep 2:200-220
Tang Wenqing 3:375-393
Teller, James T. 6:943-958
Tesfaye, S. 2:163-176
Tobisch, Othmar T. 1:119-135
Tobisch, Othmar T. 7:1043-1058
Tobisch, Othmar T. 7:1059-1066
Tolan, Terry L. 8:1225-1233
Torrente, Maurizio M. 10:1531-1542
Toth, Louis A. 6:884-899
Totten, Matthew W. 7:1012-1022
Trehu, Anne M. 8:1225-1233
Tremblay, Alain 1:136-146
Tremolada, F. 9:1430-1443
Trevino, Leandro 5:643-656
Tucker, Gregory E. 8:1250-1263
Uhrhammer, Robert A. 1:75-85
Umhoefer, Paul J. 2:177-199
Underhill, John R. 12:1877-1899
Unrug, Raphael 7:982-996
Unrug, Sophia 7:982-996
Upreti, B. N. 3:424-434
Valencia-Moreno, Martin 4:600-610
Van Arsdale, Roy B. 4:579-590
Van Arsdale, Roy B. 11:1724-1735
van der Pluijm, B. A. 10:1522-1530
Vikre, Peter G. 5:764-782
Vincent, Robert K. 3:364-374
Waitt, Richard B. 1:75-85
Wang Erchie 3:413-423
Warne, Andrew G. 6:884-899
Wayne, David M. 8:1199-1208
Weaver, Barry L. 7:1012-1022
Wells, Ray E. 8:1225-1233
Wernicke, Brian 9:1375-1397
Whipple, Kelin X. 3:375-393
Whipple, Kelin X. 3:490-503
Whipple, Kelin X. 8:1250-1263
White, J. D. L. 7:1149-1152
White, Timothy S. 9:1342-1355
White, William A. 6:884-899
Whitehead, J. 6:915-928
Whittaker, Steve 4:531-539
Wieczorek, Gerald F. 1:75-85
Wilcock, Peter R. 12:1763-1777
Wilf, Peter 2:292-307
Williams, Thomas A. 11:1703-1723
Wilson, Alicia M. 6:845-856
Witzke, Brian J. 9:1342-1355
Woodward, Lee A. 5:783-798
Wright, James E. 1:45-60
Wysocki, D. A. 2:221-235
Yeats, Robert S. 8:1209-1224
Yemane, T. 2:163-176
Zaigham, Nayyer Alam 3:478-489
Zilberman, E. 12:1864-1876
Zoltai, Stephen 6:943-958